# BMZ-K1

# **SERVICE MANUAL**

Ver 1.0 2003.06

US Model AEP Model **UK Model** F Model

Remark

HUNGARIAN, POLISH) (AEP)

• BMZ-K1 is composed of the following models. As service manuals are issued for each component model, please refer to them.

## **COMPONENT MODEL NAME**

	BMZ-K1
COMPACT DISC RECEIVER (US model)	07.07.4
COMPACT DISC DECK RECEIVER (Except US model)	CX-BK1
SPEAKER SYSTEM	SX-BK1

#### **SPECIFICATIONS**

Power requirements 120 V, 60 Hz Power consumption 120 W Power consumption in standby mode

with ECO mode on: 0.25 W with ECO mode off: 20 W Approx. 211 × 379 × 419 mm

Dimensions (w/h/d)  $(8^{3}/8 \times 15 \times 16^{5}/8 \text{ in.})$ Approx. 8.6 kg (19 lbs)

FM antenna (1) Supplied accessories: AM antenna (1)

Speaker cords (2) USB cable (1) Remote commander (1) Batteries (2)

Application CD-ROM (1)

Design and specifications are subject to change without notice.

## **ACCESSORIES**

**Description** 

Part No.

	ADAPTOR, CONVERSION 2P (E51) ANTENNA (FM)
1-757-429-12	CORD, CONNECTION (USB)
1-769-773-11	,
	CORD, SPEAKER
4-245-998-11	•
4-246-647-01	MANUAL, INSTRUCTION (ENGLISH, SPANISH) (US)
4-246-647-11	MANUAL, INSTRUCTION (ENGLISH, SPANISH) (E51)
4-246-647-21	MANUAL, INSTRUCTION (SPANISH) (MX)
4-246-647-31	MANUAL, INSTRUCTION (ENGLISH) (UK)
4-246-647-41	MANUAL, INSTRUCTION (ENGLISH, SPANISH, FRENCH,
	GERMAN, ITALIAN, RUSSIAN, CZECH,
	LUINCADIAN DOLICII) (AED)

Abbreviation

E51 : Chilean and Peruvian models MX : Mexican model

# MINI Hi-Fi COMPONENT SYSTEM

**Sony Corporation** 9-877-425-01 2003F05-1 **Home Audio Company** 

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## **REVISION HISTORY**

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2003.06	New

# CX-BK1

# **SERVICE MANUAL**

Ver 1.1 2004.02



US Model AEP Model UK Model F Model

- CX-BK1 is the amplifier, CD player, tape deck and tuner section in BMZ-K1.
- Tape deck is not loaded in US model.

Licensed by BBE Sound, Inc. under USP4638258, 5510752 and 5736897.

	Model Name Using Similar Mechanism	NEW
	CD Mechanism Type	CDM69BV-30CBD64NS
CD Section	Base Unit Name	BU-30CBD64NS
	Optical Pick-up Name	A-MAX.3
TAPE Section	Model Name Using Similar Mechanism	NEW
(Except US model)	Tape Transport Mechanism Type	CMAL1Z240A

## **SPECIFICATIONS**

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٠	u	•••	-	••

FM tuning range 87.5 MHz to 108 MHz FM usable sensitivity (IHF) 13.2 dBf

FM usable sensitivity (IHF) 13.2 dBf FM antenna terminal 75  $\Omega$  (unbalanced)

AM tuning range 530 kHz to 1710 kHz (10 kHz step)

 $\begin{array}{c} 531 \text{ kHz to } 1710 \text{ kHz (9 kHz step)} \\ \text{AM usable sensitivity} & 350 \ \mu\text{ V/m} \end{array}$ 

AM antenna Loop antenna

## AMPLIFIER

Power output US model:

JS model: 110 W + 110 W (40 Hz - 20 kHz,

THD less than 1%, 6  $\Omega$ ) 140 W + 140 W (40 Hz - 20 kHz, THD 10%, 6  $\Omega$ )

Chilean, Peruvian and Mexican models:

140 W + 140 W (1 kHz, THD less than 1% 6 \O)

180 W + 180 W (1 kHz, THD

10%, 6 Ω)

Total harmonic distortion Input

Outputs

1 0.08 % (90 W, 1 kHz, 6 Ω) LINE IN VIDEO: 1.0 Vp-p (75 Ω) LINE IN AUDIO: 1.1 V

AUX (MD) IN: 1.1 V MIC: 2.5mV (Chilean, Peruvian

and Mexican models)
SPEAKERS: 6  $\Omega$  or more

PHONES:  $32~\Omega$  or more AUX (MD) OUT: 500~mV VIDEO OUT: 1.0~Vp-p ( $75~\Omega$ )

**CD PLAYER** 

Laser Semiconductor laser ( $\lambda = 800 \text{ nm}$ )

Emission duration: continuous

D/A converter 1 bit dual Signal-to-noise ratio 85 dB (1 kHz, 0 dB)

Signal-to-noise ratio 85 dB (1 kHz, 0 Unmeasurable

## CASSETTE DECK (Except US model)

Track format 4 tracks, 2 channels stereo Frequency response 100 Hz – 10000 Hz (±3dB)

Recording system AC bias

Heads Recording/playback  $\times$  1, erase  $\times$  1

## GENERAL

Power requirements

US model: 120 V, 60 Hz Mexican model: 127 V, 60 Hz

Chilean and Peruvian models:

120 V/220 – 230 V/240 V AC (switchable), 50/60 Hz

Power consumption

US model: 120 W Chilean and Peruvian models: 155 W

Mexican model: 160 W Power consumption in standby mode

US model: with ECO mode on: 0.25 W

with ECO mode off: 20 W

Chilean and Mexican models:

with ECO mode on: 0.25 W with ECO mode off: 28 W Approx.  $211 \times 379 \times 419$  mm

Dimensions (w/h/d) Approx.  $211 \times 379 \times 419 \text{ mr}$ (8  $3/8 \times 15 \times 16 5/8 \text{ in })$ 

Mass
US model: Approx. 8.6 kg (19

US model: Approx. 8.6 kg (19 lbs) Chilean and Peruvian models:

Approx. 9.9 kg

Specifications and external appearance are subject to change

# COMPACT DISC RECEIVER US model COMPACT DISC DECK RECEIVER

AEP, UK, Chilean, Peruvian and Mexican models

9-877-426-02 Sony Corporation
2004B05-1 Home Audio Company

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## Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

## Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

#### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The following caution label is located inside the unit.



This appliance is classified as a CLASS 1 LASER product.

This label is located on the rear exterior.

## **UNLEADED SOLDER**

Boards requiring use of unleaded solder are printed with the leadfree mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

## **4**: LEAD FREE MARK

Unleaded solder has the following characteristics.

 Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about 350 °C.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

Strong viscosity

Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

• Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

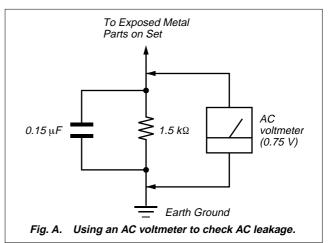
## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

#### **LEAKAGE TEST**

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



## SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  $\triangle$  OR DOTTED LINE WITH MARK  $\triangle$  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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# SECTION 1 SERVICING NOTES

# NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

#### NOTES ON LASER DIODE EMISSION CHECK

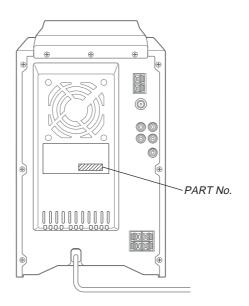
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

# LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveforms is output three times.

## MODEL IDENTIFICATION

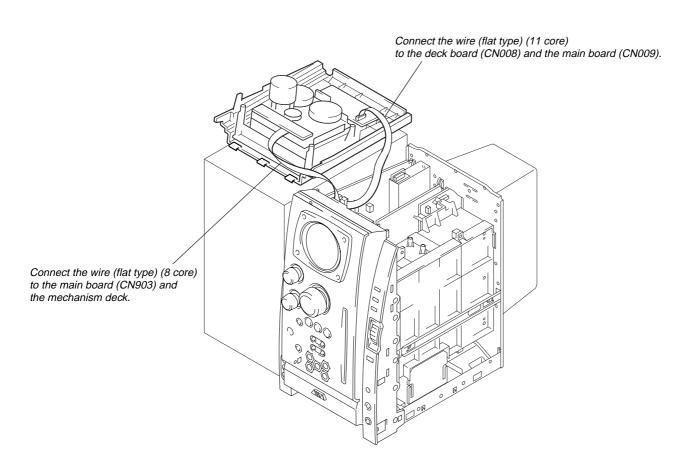
- Rear Cover -



MODEL	PART No.
US model	4-245-039-0□
Chilean and Peruvian models	4-245-039-1□
AEP and UK models	4-245-039-2□
Mexican model	4-245-039-3□

## SERVICE POSITION

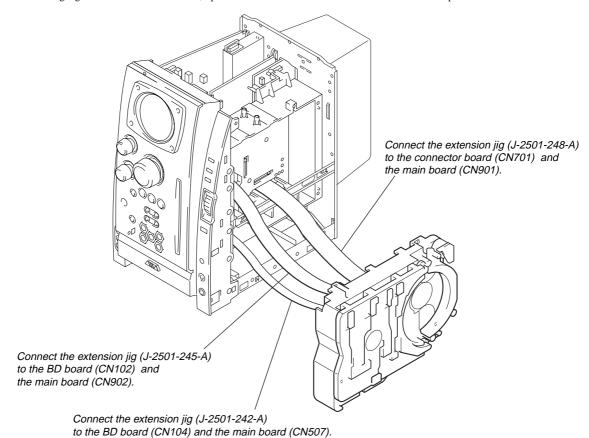
- Tape mechanism deck (except US) -



## - CD mechanism deck -

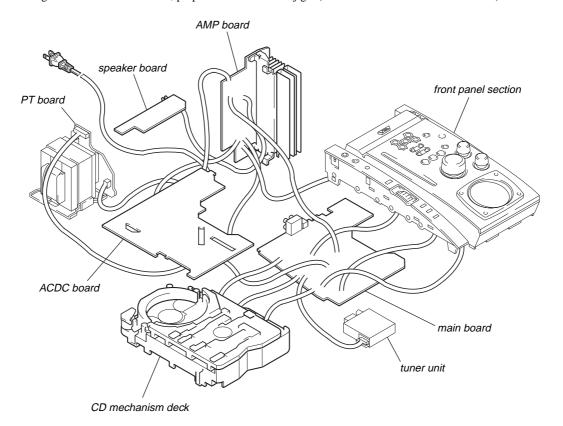
• In checking the CD mechanism deck section, prepare three extension jigs (Part No. J-2501-242-A:1.00 mm 11core/Part No. J-2501-245-A: 1.00 mm 23 core/Part No. J-2501-248-A: 1.00mm 27 core).

**Note:** The CD mechanism deck of this model is a vertical type and putting it vertically as shown in the figure is the standard position. When checking signals such as RF waveforms, operate it with the CD mechanism deck in the standard position as shown below.



## - main board, ACDC board -

• For connecting the CD mechanism deck, prepare three extension jigs. (Refer to "- CD mechanism deck -")

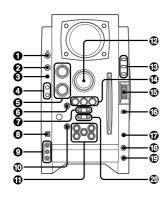


# SECTION 2 GENERAL

This section is extracted from instruction manual.

## LOCATION OF CONTROLS

#### Main unit: front



## • POWER **OSTANDBY/ON**

Switches the unit on and off (standby).

#### **9** FUNCTION

Switches the active function among CD, USB, TAPE (Except US model), TUNER, VIDEO and AUX.

#### 6 BAND

Select tuner function and the tuner band.

#### GEQ

Selects a sound equalization curve.

#### i-Bass

Produces rich and clear low frequency sound.

#### **6** TREBLE/MIDDLE

Adjusts the treble or middle range level.

#### BASS

Adjusts the bass level.

#### O PLAY MODE (US model)

Selects various CD play mode.

#### ● REC (Except US model)

Starts tape recording.

Also used to enter 4-second blank spaces during recording.

## **7** TUNING DOWN◀◀/I◀◀, UP▶►/▶▶I

CD: skips to a previous or a succeeding track when pressed, searches a track in fast forward or reverse playback when held down.

Tape: rewinds or fast forwards the tape. (Except US model)

Tuner: manually tunes up or down within the band.

#### USB terminal

Accepts sound signals from a personal computer. Connect your personal computer to this terminal with a USB cable so that the unit can output the sound of an audio file which is played back by the Winamp3 on your computer.

Be sure to see "CONNECTING A PERSONAL COMPUTER" for the details about the computer requirements, how to connect and so on before actually connecting your computer.

## O LINE IN (VIDEO/AUDIO) jacks

Accepts analog signals from external equipment. Connect using an optional connecting cable with RCA phono plugs (red plug to R jack, white plug to L jack, yellow plug to VIDEO jack).

Refer also to the operating instructions of your equipment. To switch function to external input, press FUNCTION repeatedly to display "VIDEO".

## 

Ejects the disc(s)

## ① DISC SELECT (1-5)

Selects a disc slot.

Starts CD play for one desired disc.

## **O** VOLUME

Adjusts the volume.

#### ® TITLE

When the unit is turned off: activates or deactivated DEMO.

Changes the display in MP3-CD or USB source.

#### DISPLAY

Changes the display in CD playback mode.

Turns the back light on and off when the unit is turned off.

#### MODE

Selects various modes (sound adjustment, etc.) when used in combination with ENTER and MULTI JOG. Switches the ECO mode on and off when the unit is turned off.

#### 1 IPAUSE/SET

Pauses CD play

#### ■STOP/CLEAR

Stops CD play.

#### ► PRESET (US model)

Starts CD play.

#### **▼PRESET (Except US model)**

Starts CD or tape play.

#### 1 MULTI JOG

When used in combination with ENTER and MULTI JOG, CD: selects a track.  $\label{eq:cd:combination} % \begin{center} \begin{c$ 

Tuner: selects a preset station.

#### © ENTER

Fixes the modes and the time (clock and timer, etc.) when used in combination with ENTER and MULTI JOG.

#### PHONES jack

Plug in optional headphones set with a stereo mini plug (Ø3.5 mm). Speaker output is canceled.

# MIC MIXING (Chilean and Peruvian models)

Adjusts the microphone volume.

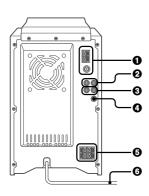
## MIC jack (Chilean and Peruvian models)

Connects the microphone.

## 

Skips to a previous or succeeding album or play list.

## Main unit: rear



## $\mbox{\bf 0}$ AM LOOP jack and FM 75 $\Omega$ terminal

Plug in the supplied AM and FM antennas.

## AUX IN jacks

Accept analogue sound signals from external equipment. Connect external equipment using an optional connecting cable with RCA phono plugs (red plug to R jack, white plug to L jack). Refer also to the operating instructions for your equipment.

To switch function to external input, press FUNCTION repeatedly to display "AUX" (US model) or "MD" (Chilean, Peruvian and Mexican models).

## AUX OUT jacks

Analog sound signals for all functions can be output through these jacks. Use a cable with RCA phono plugs to connect audio equipment.

Connect the red plug to the R jack, and the white plug to the L jack.

However, the signal is not output when the function is "VIDEO" or "AUX" (US model) or "MD" (Chilean, Peruvian and Mexican models).

## VIDEO OUT

Signals from VIDEO IN jack output through this jack.

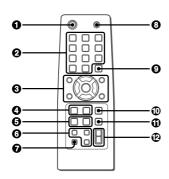
## **⑤** ▷SPEAKERS terminals

Connect the speaker cords of the supplied speakers.

AC power cord

## Remote commander

Refer to the pages indicated in parentheses for details.



Buttons with the same or similar names on the main unit basically have the same function.

## POWER

## **2** 1-9, 0/10, +10

CD: selects a track of the specified number.

Tuner: tunes in the station with the specified preset number.

The numbered buttons take on these functions when pressed with SHIFT held down.

# EDIT (Chilean, Peruvian and Mexican models)

Selects edited CD recording.

## **BAND**

#### **SPECTRUM**

Changes the spectrum analyser display.

### **TUNER MODE**

Switches between stereo or monaural FM reception.

# KARAOKE (Chilean, Peruvian and Mexican models)

Selects a Karaoke mode.

#### GFO

## **8** ►/**<**►

Starts CD play.

#### ш



#### I**⊲**⊲/▶▶IPRESET

Tuner: selects a preset station.

#### **V/**∕ ALBUM

Selects a previous or a succeeding album.

#### PLAY MODE

#### **REPEAT**

Selects repeat CD playback mode.

#### **6** CLOCK/TIMER SET

Enters clock and timer setting mode.

## CLOCK/TIMER SELECT

Switches timer setting on and off.

#### O DISPLAY

### SOUND

Selects bass, treble or middle range level setting mode.

#### CLEAR

Clears a track of the CD programed playback and a tuner preset station

### **6** SHIFT

Hold down when pressing a numbered button to change its function to that printed above the number.

#### **9** FUNCTION

#### O DISC SKIP

Changes a disc slot.

#### ① ENTER

## 1 SLEEP

Selects sleep-timer mode.

② VOLUME +, -

## Setting the clock

- 1 Press CLOCK/TIMER SET on the remote. See below when to adjust the clock.
- 2 Press ◄◄ or ▶► to set the hour, then press
- 3 Press I or ▶►I to set the minute. Each press changes the time in 1-minute steps.

#### 4 Press ENTER.

The time display stops flashing and the clock starts from 00 seconds.

MULTI JOG is also available in place of I◄ or ▶►1.

## To adjust the clock

- 1 Press CLOCK/TIMER SET on the remote.
- 2 Press 【◀◀ or ▶▶】 repeatedly to display "CLOCK" and then press ENTER.
- 3 Carry out steps 2 to 4 described in "Setting the clock" to set the time

## To display the time while the power is on

Press DISPLAY repeatedly. The clock display appears in the display for 6 seconds.

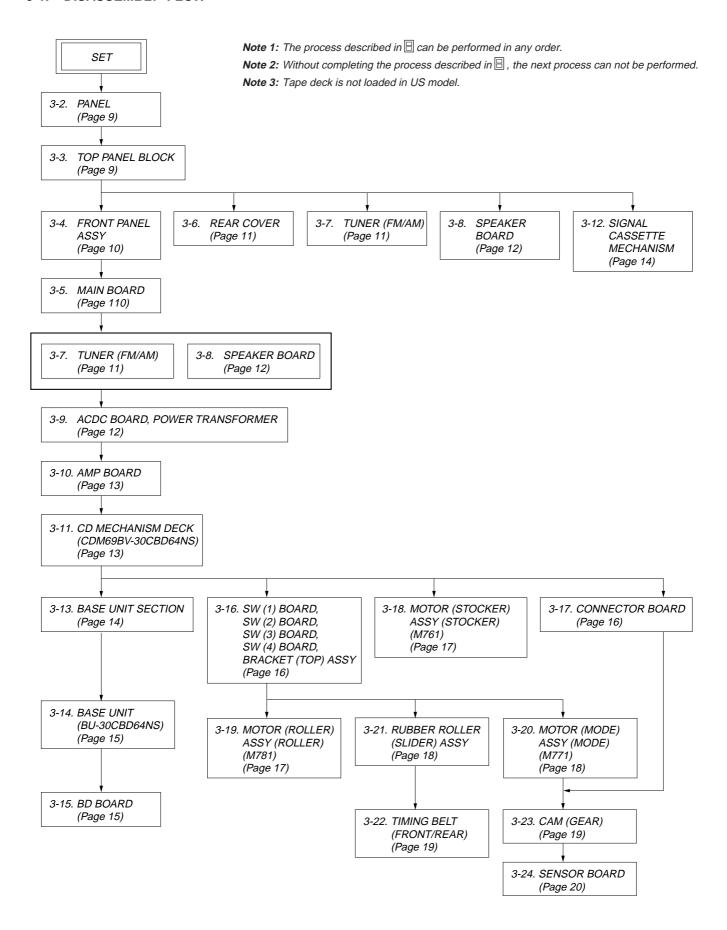
## If "- -:- -" appears when the unit is turned off

There has been a power interruption. Reset the clock.

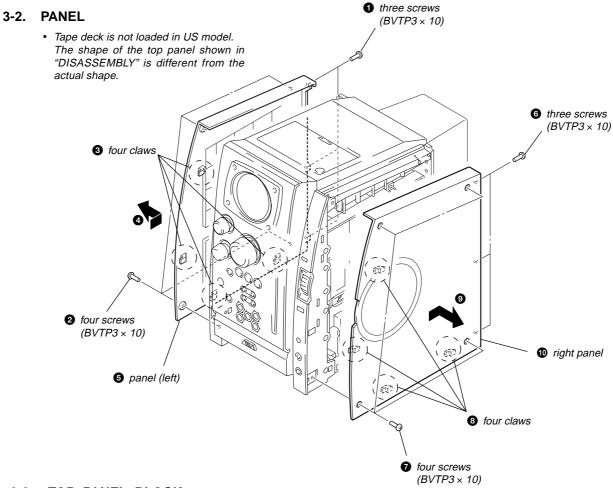
# SECTION 3 DISASSEMBLY

• This set can be disassembled in the order shown below.

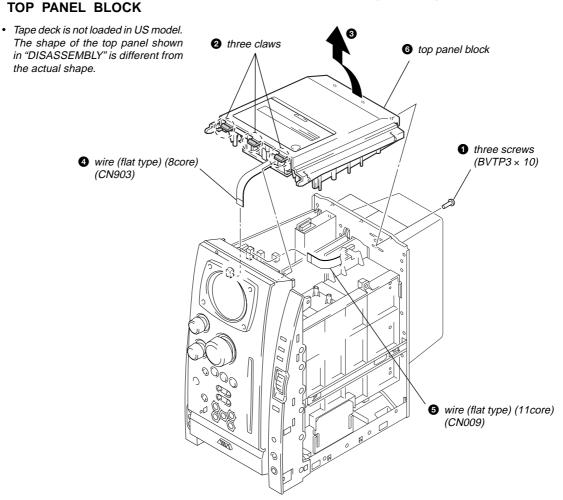
#### 3-1. DISASSEMBLY FLOW

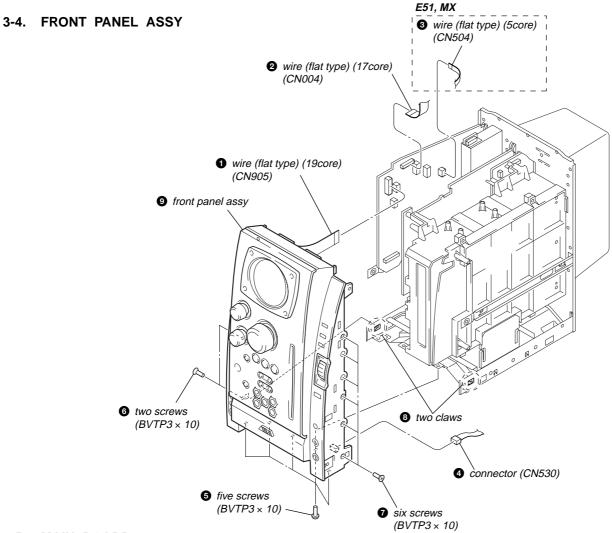


**Note:** Follow the disassembly procedure in the numerical order given.

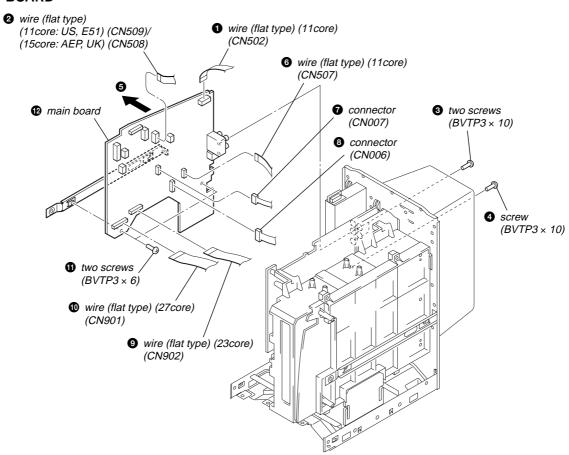


## 3-3. TOP PANEL BLOCK

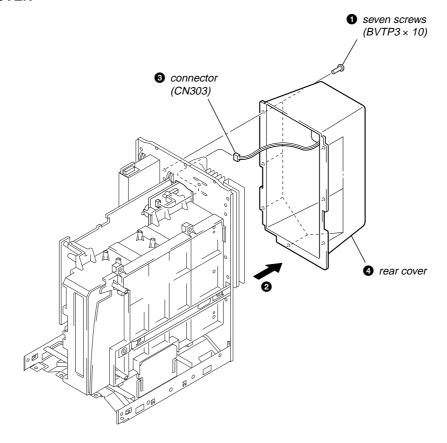




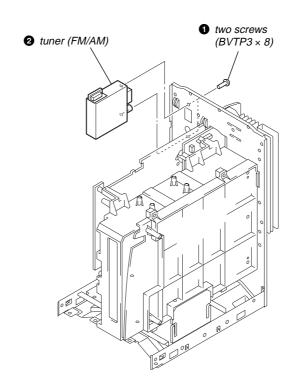
## 3-5. MAIN BOARD



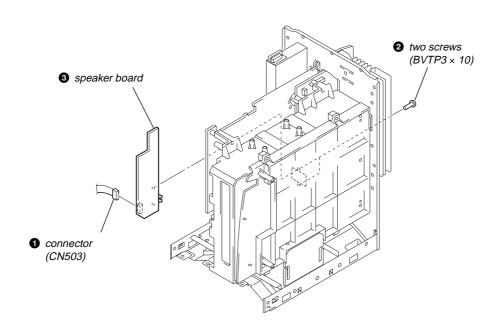
## 3-6. REAR COVER



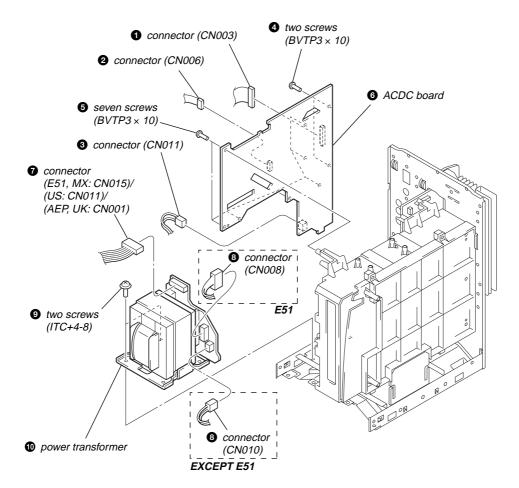
## 3-7. TUNER (FM/AM)



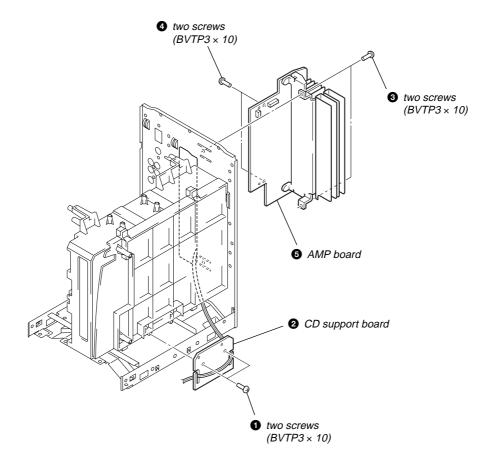
## 3-8. SPEAKER BOARD



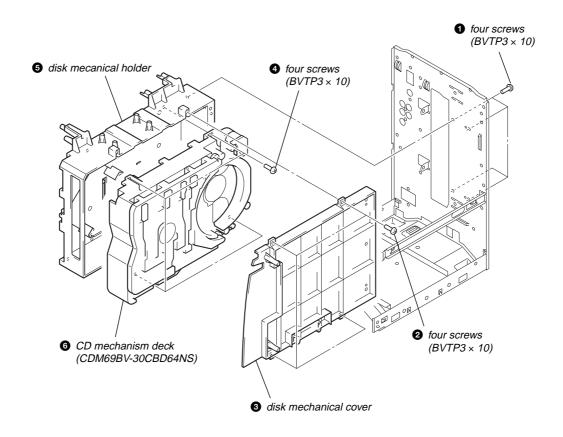
## 3-9. ACDC BOARD, POWER TRANSFORMER



## 3-10. AMP BOARD

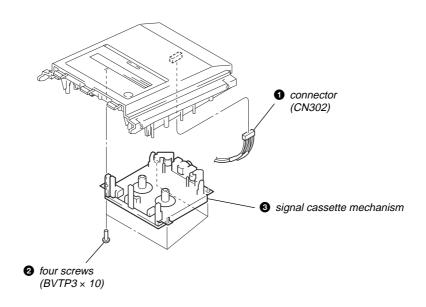


## 3-11. CD MECHANISM DECK (CDM69BV-30CBD64NS)

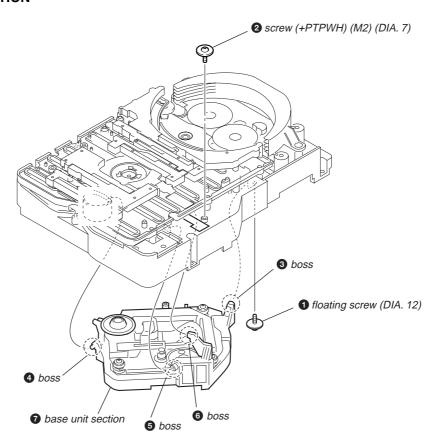


## 3-12. SIGNAL CASSETTE MECHANISM

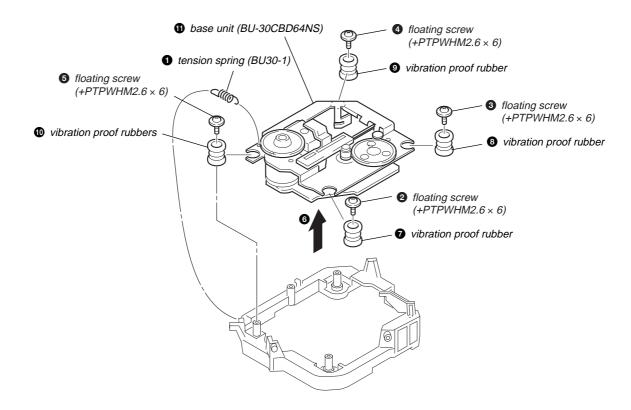
• Tape deck is not loaded in US model.



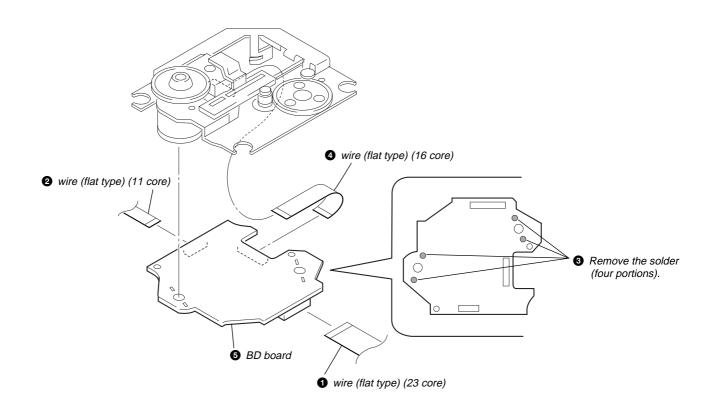
## 3-13. BASE UNIT SECTION



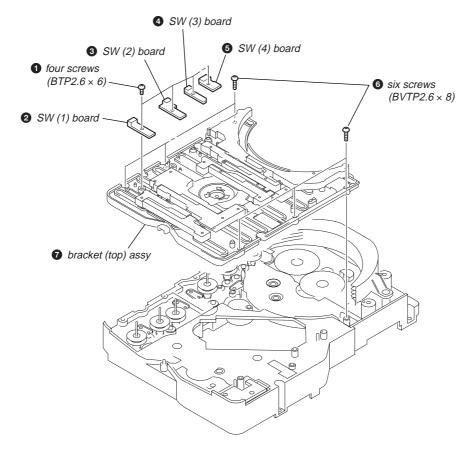
## 3-14. BASE UNIT (BU-30CBD64NS)



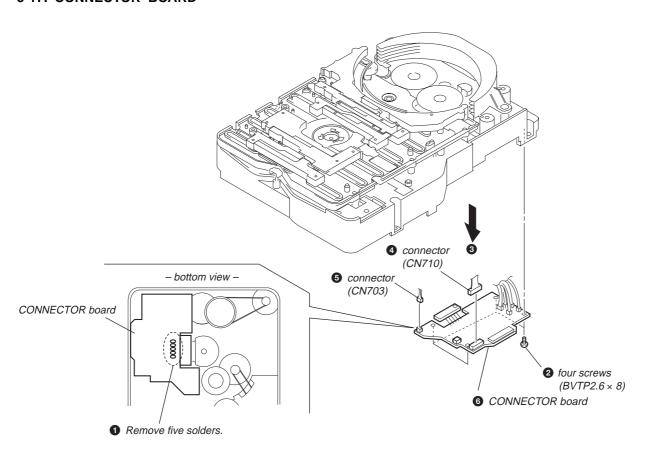
## 3-15. BD BOARD



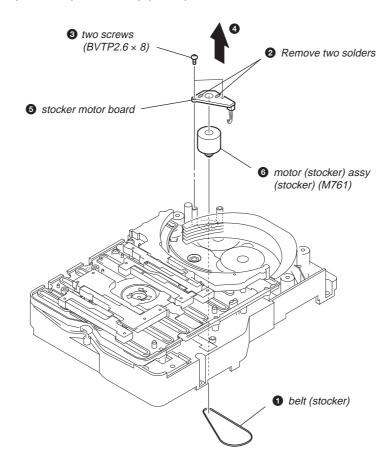
## 3-16. SW (1) BOARD, SW (2) BOARD, SW (3) BOARD, SW (4) BOARD, BRACKET (TOP) ASSY



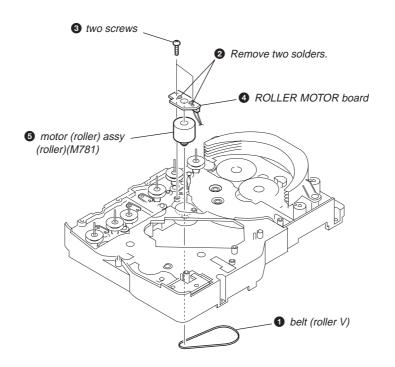
## 3-17. CONNECTOR BOARD



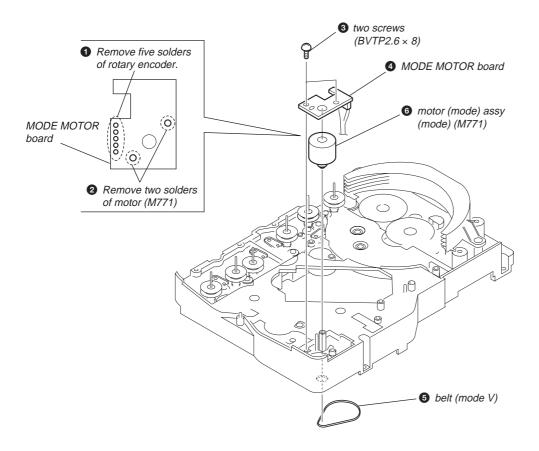
## 3-18. MOTOR (STOCKER) ASSY (STOCKER) (M761)



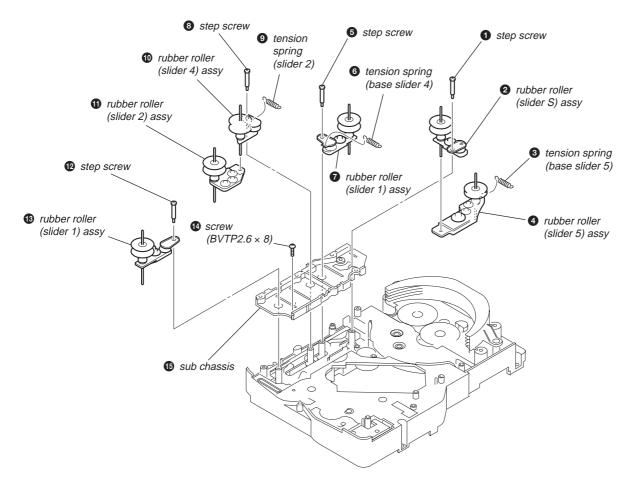
## 3-19. MOTOR (ROLLER) ASSY (ROLLER) (M781)



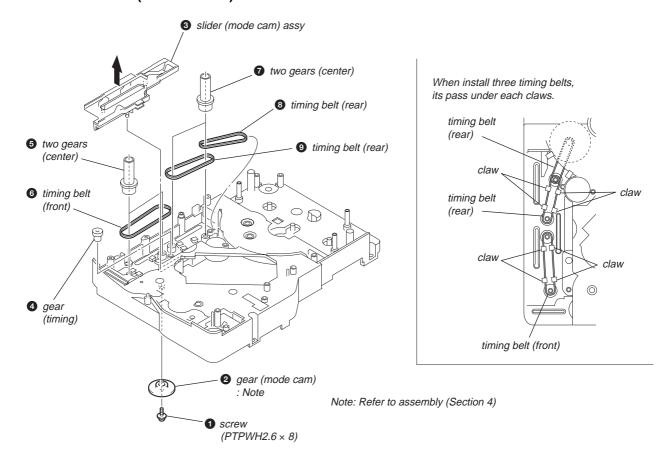
## 3-20. MOTOR (MODE) ASSY (MODE) (M771)



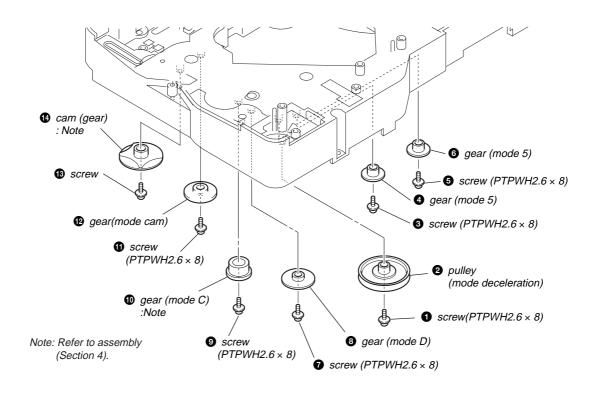
## 3-21. RUBBER ROLLER (SLIDER) ASSY



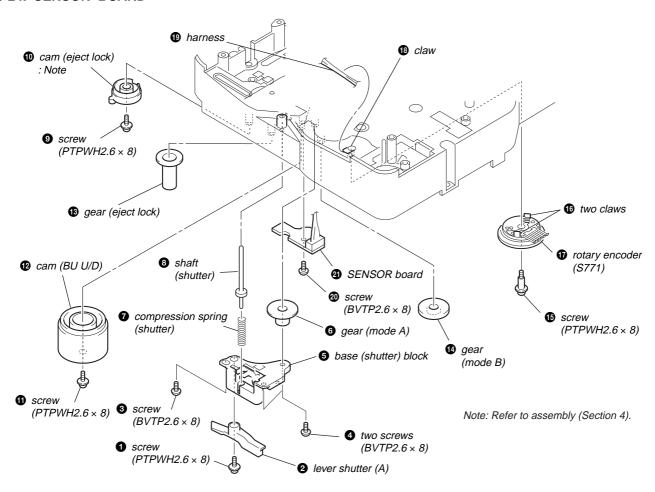
## 3-22. TIMING BELT (FRONT/REAR)



## 3-23. CAM (GEAR)



## 3-24. SENSOR BOARD

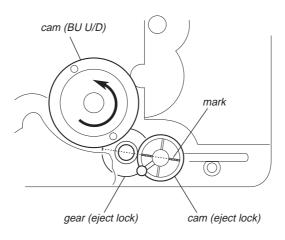


# SECTION 4 ASSEMBLY

• This set can be assembled in the order shown below.

## 4-1. HOW TO INSTALL THE CAM (EJECT LOCK)

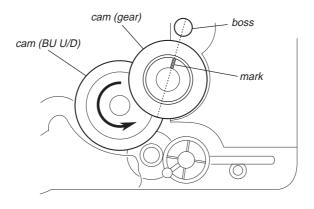
- 1 Rotate the cam (BU U/D) fully in the direction of arrow.
- 2 Engage the gear (eject lock) and the gear of the cam (eject lock) aligning the mark with the center of the gear (eject lock).



- bottom view • front -

## 4-2. HOW TO INSTALL THE CAM (GEAR)

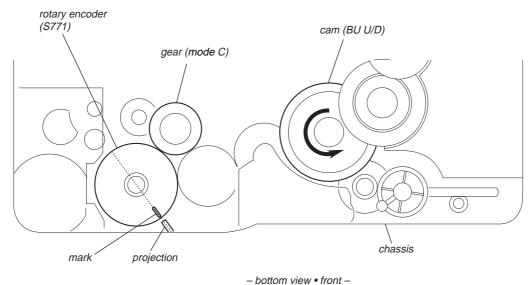
- 1 Check that the cam (BU U/D) can not be rotated in the direction of arrow.
- ② Align the mark on the cam (gear) with the boss as shown in the figure and install the cam (gear).



- bottom view • front -

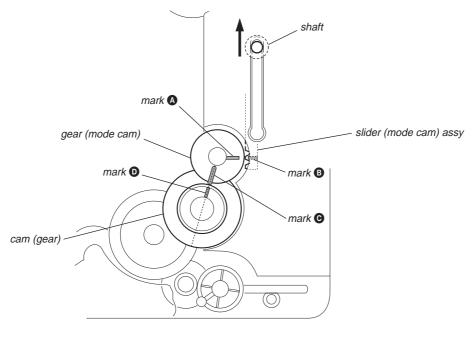
## 4-3. HOW TO INSTALL THE GEAR (MODE C)

- 1 Align the mark on the rotary encoder (S771) with the projection of the assy.
- 2 Check that the cam (BU U/D) can not be rotated in the direction of arrow.
- 3 Install the gear (mode C)



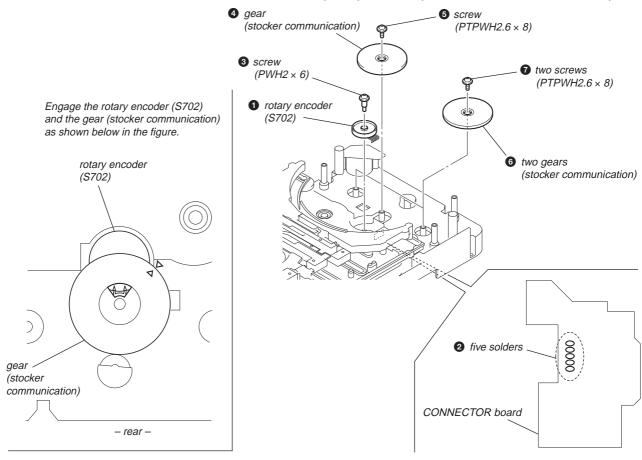
## 4-4. HOW TO INSTALL THE GEAR (MODE CAM)

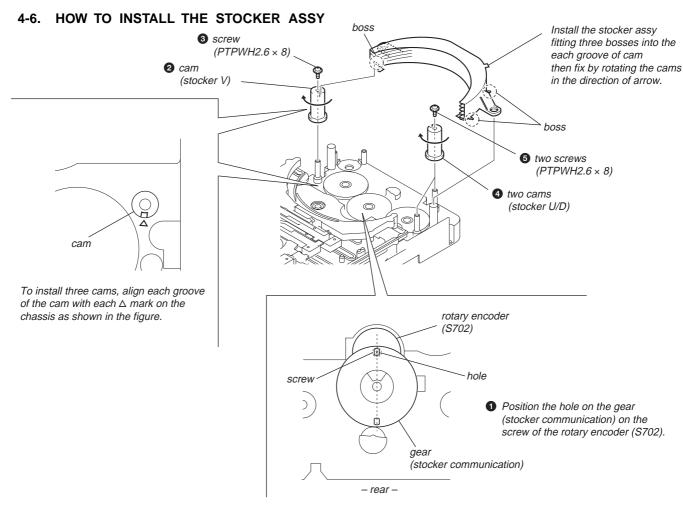
- 1 Slide the shaft in the direction of arrow.
- 2 Align mark (A) on the gear (mode cam) with mark (B) on the slider (mode cam) assy, then install the gear (mode cam).
- 3 Check that mark 6 on the gear (mode cam) is in alignment with mark 6 on the cam (gear).



- bottom view • front -

## 4-5. HOW TO INSTALL THE ROTARY ENCODER (\$702), GEAR (STOCKER COMMUNICATION)





# SECTION 5 TEST MODE

### [Cold Reset]

\* The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customer.

#### **Procedure:**

- 1. Press the POWER (b) button to turn off the main power.
- 2. While depressing the **■** button, press the **POWER** ⊕ button.
- The fluorescent indicator tube does not display any message and the set is reset.

## [Version Display Mode]

\* The version of the microcomputer is displayed.

#### **Procedure:**

- 1. Press the POWER (b) button to turn the set on.
- To enter the test mode, press two buttons and POWER Usimultaneously for more than five seconds. The version of the microcomputer is displayed.

## [FL Tube Check]

\* All fluorecent segments are tested.

#### **Procedure:**

- 1. Insert a disc, and extract an AC plug.
- 2. While depressing the FUNCTION button, insert an AC plug to enter the test mode.
- The message "CD TEST" is displayed, the initialization is performed.

Then all segments of the fluorecent indicator tube are turned on.

## [CD Ship Mode]

\* This mode moves the optical pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

## **Procedure:**

- 1. Press the POWER (b) button to turn the set on.
- 2. Set the FUNCTION to CD.
- 3. Press the button for more than five seconds.
- After a message "MECHA LOCK" is displayed on the fluorescent indicator tube, the CD ship mode is set and the power is turned off.

## [Disc Tray Lock]

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

## Setting Procedure:

- 1. Press the POWER (b) button to turn the set on.
- Press two buttons of and ▲ simultaneously for five seconds.
- 3. The message "LOCKED" is displayed and the tray is locked.

## **Releasing Procedure:**

- Press two buttons of and simultaneously for five seconds again.
- The message "UNLOCKED" is displayed and the tray is unlocked.

Note: When "LOCKED" is displayed, the tray lock is not released by turning power on/off with the POWER (1) button.

## [AMP Test]

\* This mode is used to check the function of the amplifier.

## Procedure:

- 1. Extract an AC plug.
- 2. While depressing the GEQ button, insert an AC plug to enter the AMP test mode. The message "AMP TEST" is displayed.
- 3. The message "Volume MAX" is displayed, when the UOL-UME knob is rotated clockwise. The message "Volume 0" is displayed, when the VOLUME knob is rotated counterclockwise
- 4. Each time the BASE or TREBLE knob is turned, the mes-

sage "EQ MAX", "EQ MIN" or "EQ FLAT" is displayed in this order.

## [AM Channel Step 9 kHz/10kHz Selection Mode]

\* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

#### **Procedure:**

- 1. Set the FUNCTION to AM.
- While depressing the BAND button, press the POWER button.
- 3. The channel step is changed over.

## [CD Test Mode]

\* This mode can run the CD sled motor freely. Use this mode, for instance, when cleaning the pickup.

#### **Procedure:**

- 1. Extract an AC plug.
- 2. While depressing the FUNCTION button, insert an AC plug to enter the CD test mode. The message "CD TEST" is displayed.
- 3. With the CD in stop status, press the button to move the pickup to outside track, or press the button to inside track.
- 4. When press the ▶ button, normal playback is performed.
- 5. Each time the button is pressed during normal playback, the tracking servo is switched on or off.

## [CD Repeat 5 Times Limit Release Mode]

#### **Procedure:**

- 1. Press the POWER (button to turn the set on.
- 2. Select the FUNCTION to CD.
- Press three buttons of and FUNCTION and ► simultaneously.
- 4. The repeat all mark blinks and then repeat 5 times limit is released.

# SECTION 6 MECHANICAL ADJUSTMENTS

## TAPE MECHANISM DECK SECTION

Note: Tape deck is not loaded in US model.

#### Precaution

 Clean the following parts with a denatured alcohol-moistened swab:

record/playback heads pinch rollers erase head rubber belts capstan idlers

- Demagnetize the record/playback head with a head demagnetizer.
- 3. Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

## **Torque Measurement**

Mode	Torque meter	Meter reading
		2.94 – 7.84 mN • m
FWD	CQ-102C	(30 to 79 g • cm)
		$(0.42 - 1.11 \text{ oz} \bullet \text{inch})$
EWD		0.15 − 0.6 mN • m
FWD back tension	CQ-102C	2 to 6 g • cm
back tension		$(0.03 - 0.08 \text{ oz} \bullet \text{inch})$
		2.94 − 7.84 mN • m
REV	CQ-102RC	(30 to 79 g • cm)
		$(0.42 - 1.11 \text{ oz} \bullet \text{inch})$
DEM		2.94 − 7.84 mN • m
REV back tension	CQ-102RC	(30 to 79 g • cm)
back tension		$(0.42 - 1.11 \text{ oz} \bullet \text{inch})$
		6.86 − 17.64 mN • m
FF/REV	CQ-201B	(70 to 179 g • cm)
		$(0.98 - 2.49 \text{ oz} \bullet \text{inch})$
		9.8 mN • m
FWD tension	CQ-403A	(100 • cm or more)
		(1.4 oz • inch or more)
		9.8 mN • m
REV tension	CQ-403R	(100 • cm or more)
		(1.4 oz • inch or more)

# SECTION 7 ELECTRICAL ADJUSTMENTS

**DECK SECTION** 

0 dB = 0.775 V

Note: Tape deck is not loaded in US model.

#### Precaution

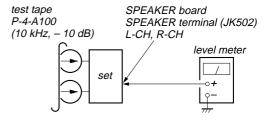
- Demagnetize the record/playback head with a head demagnetizer.
- 2. Do not use a magnetized screwdriver for the adjustments.
- 3. After the adjustments, apply suitable locking compound to the parts adjust.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.
- The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
- The adjustments should be performed for both L-CH and R-CH
- Switches and controls should be set as follows unless otherwise specified.

#### • Test Tape

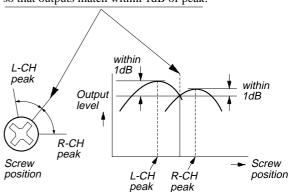
Tape	Signal	Used for
P-4-A100	10 kHz, – 10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Check

# Record/Playback Head Azimuth Adjustment Procedure:

1. Mode: Playback

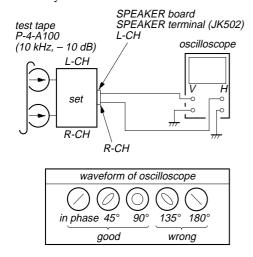


2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1dB of peak.



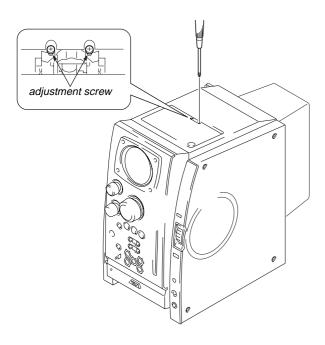
## CX-BK1

#### 3. Mode: Playback

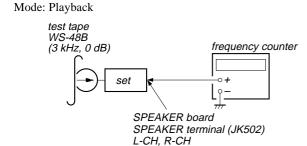


 After the adjustments, apply suitable locking compound to the parts adjusted.

## Adjustment Location: Record/Playback/Erase Head



## **Tape Speed Check**



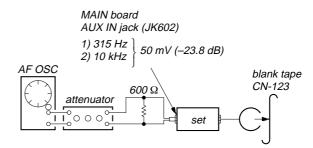
- 1. Insert the WS-48B into the deck.
- 2. Press the ▶ button.
- 3. Confirm that the frequency counter reads  $3,000 \pm 90$  Hz.

# Sample value of Wow and Flutter: 0.3% or less W.RMS (JIS) (WS-48B)

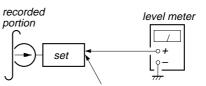
## **Record Bias Adjustment**

## **Procedure:**

1. Record mode



 Mode: Playback i-Bass OFF BASS 0 TREBLE 0



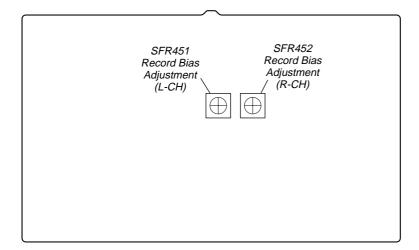
SPEAKER board SPEAKER terminal (JK502)

- 3. Confirm playback the signal recorded in step 1 become adjustment level as follows.
- 4. If these levels do not adjustment level, adjustment the SFR451 (L-CH) and SFR452 (R-CH) to repeat steps 1 and 4.

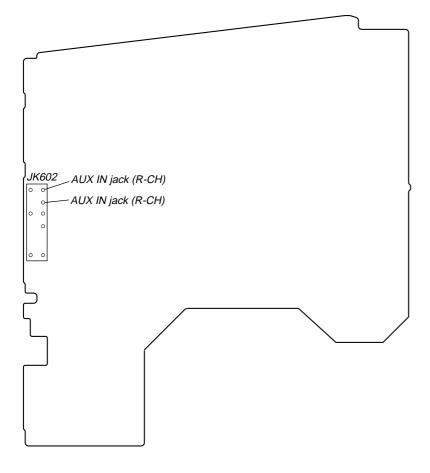
**Adjustment level:** Playback output of 315 Hz to playback output of 10 kHz:  $0 \pm 1.0 \text{ dB} (0 \pm 4.5 \text{mV})$ .

Adjustment Location: DECK board (Page 27)

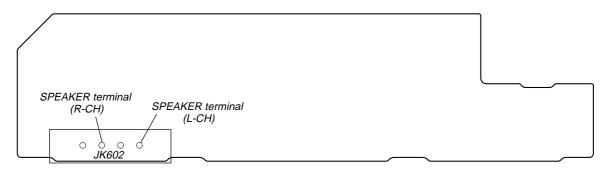
## - DECK Board (Component Side) (Except US model) -



## - MAIN Board (Conductor Side) -



## - SPEAKER Board (Conductor Side) -



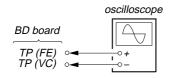
## **CD SECTION**

## Note:

- 1. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
- 2. Use an oscilloscope with more than  $10M\Omega$  impedance.
- 3. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

#### S-curve Check

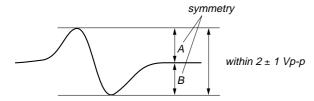
#### **Connection:**



#### **Procedure:**

- Connect an oscilloscope to test point TP (FE) and TP (VC) on the BD board.
- 2. While depressing the button, insert an AC plug.
- 3. Put the disc (YEDS-18) in and press the button and actuate the focus search. (actuate the focus search when disc table is moving in and out)
- 4. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within  $2\pm1$  Vp-p.

#### S-curve waveform



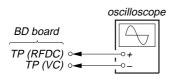
**Note:** • Try to measure several times to make sure than the ratio of A:B or B:A is more than 10:7.

• Take sweep time as long as possible and light up the brightness to obtain best waveform.

Checking Location: BD board (Side B)

## **RFDC Level Check**

## **Connection:**

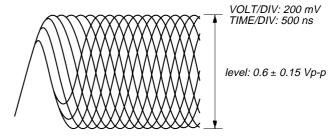


## **Procedure:**

- 1. Connect an oscilloscope to test point TP (RFDC) and TP (VC) on the BD board.
- 2. Turn the power on.
- 3. Put the disc (YEDS-18) in to playback the number five track.
- Confirm that oscilloscope waveform is clear and check RFDC signal level is correct or not.

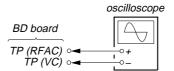
Note: A clear RFDC signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.

## RFDC signal waveform



Checking Location: CD board (Conductor side)

# **RFAC Level Check** Connection:

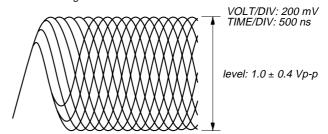


## **Procedure:**

- Connect an oscilloscope to test point TP (RFAC) and TP (VC) on the BD board.
- 2. Turn the power on.
- 3. Put the disc (YEDS-18) in to playback the number five track.
- Confirm that oscilloscope waveform is clear and check RFAC signal level is correct or not.

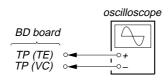
Note: A clear RFAC signal waveform means that the shape "◊" can be clearly distinguished at the center of the waveform.

## RFAC signal waveform



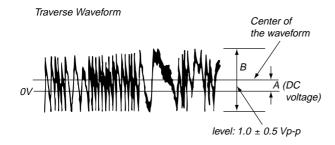
Checking Location: BD board (Side B)

# E-F Balance Adjustment Connection:



#### **Procedure:**

- 1. Connect an oscilloscpe to test point TP (TE) and TP (VC) on the BD board.
- 2. AC is put in pushing **b** button to enter the CD test mode.
- 3. Put the disc (YEDS-18) in to playback the number five track.
- Press the ▶ button. If it plays, press the ▶ button again.
   (The tracking servo and the sledding servo are turned OFF)
- 5. Rotate RV101 on the BD board to adjust A (DC voltage) of the center of the oscilloscope waveform becomes 0 V.



 Press the ▶ button. (The tracking servo and sledding servo are turned ON)

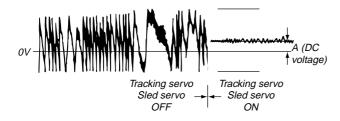
Confirm A (DC voltage) at that tome is 0 V.

7. To exit from this mode, turn the power off.

**Notes:** • Always move the optical pick-up to most inside track when exiting from this mode. Otherwise, a disc will not be unloaded.

 Do not run the sled motor excessively, otherwise the gear can be chipped.

Traverse Waveform



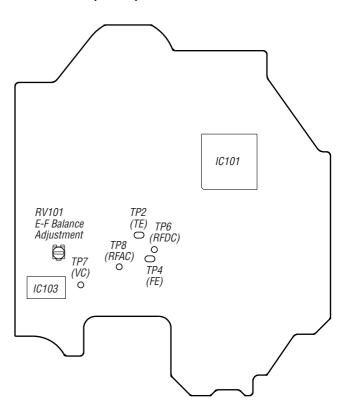
Checking Location: BD board (Side B)

# Adjustment after CD Base Unit (BU-30CBD64NS) is Replaced

Perform the "E-F Balance (1 track jump) check".

## **Checking Location:**

## - BD BOARD (Side B) -

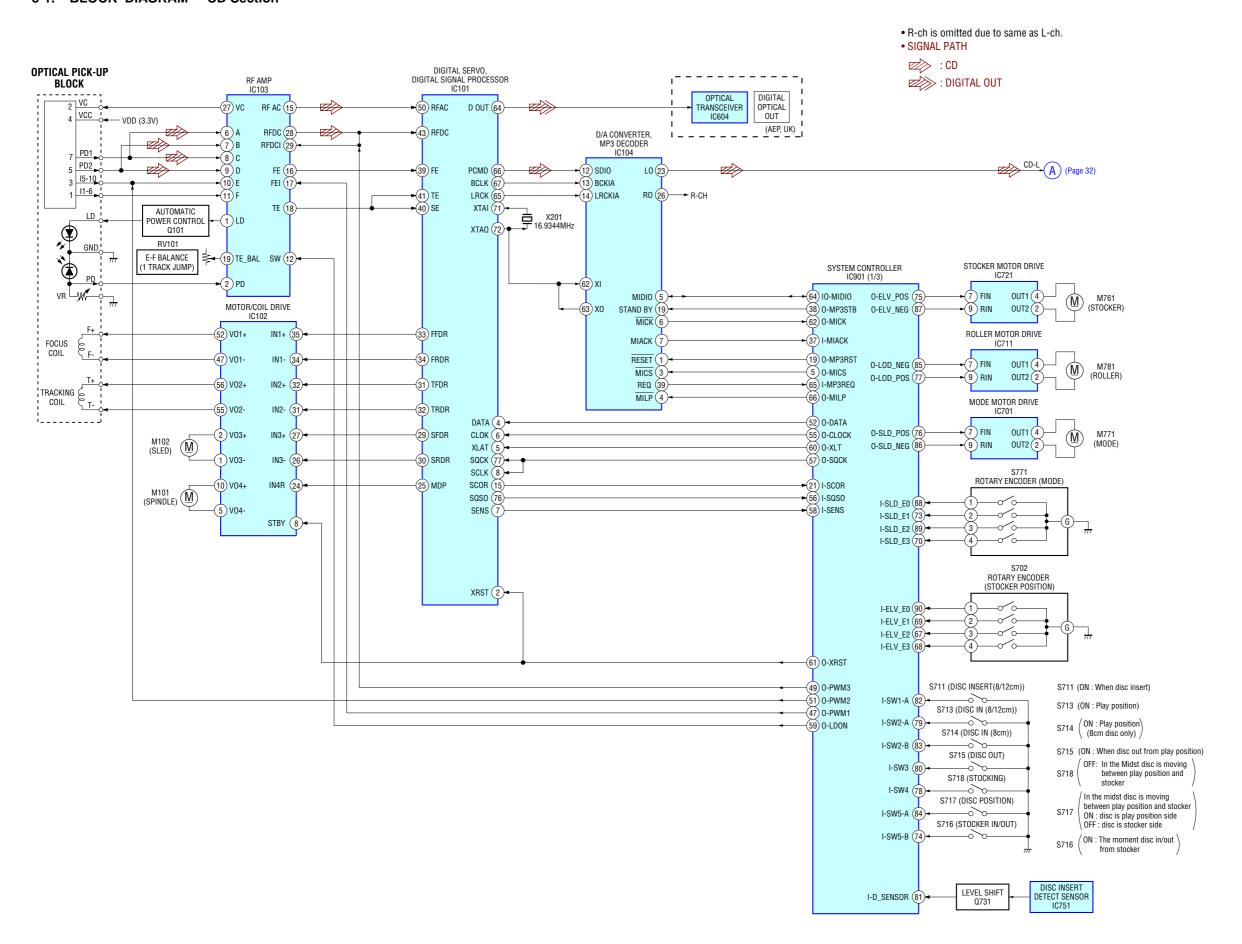


# CX-BK1

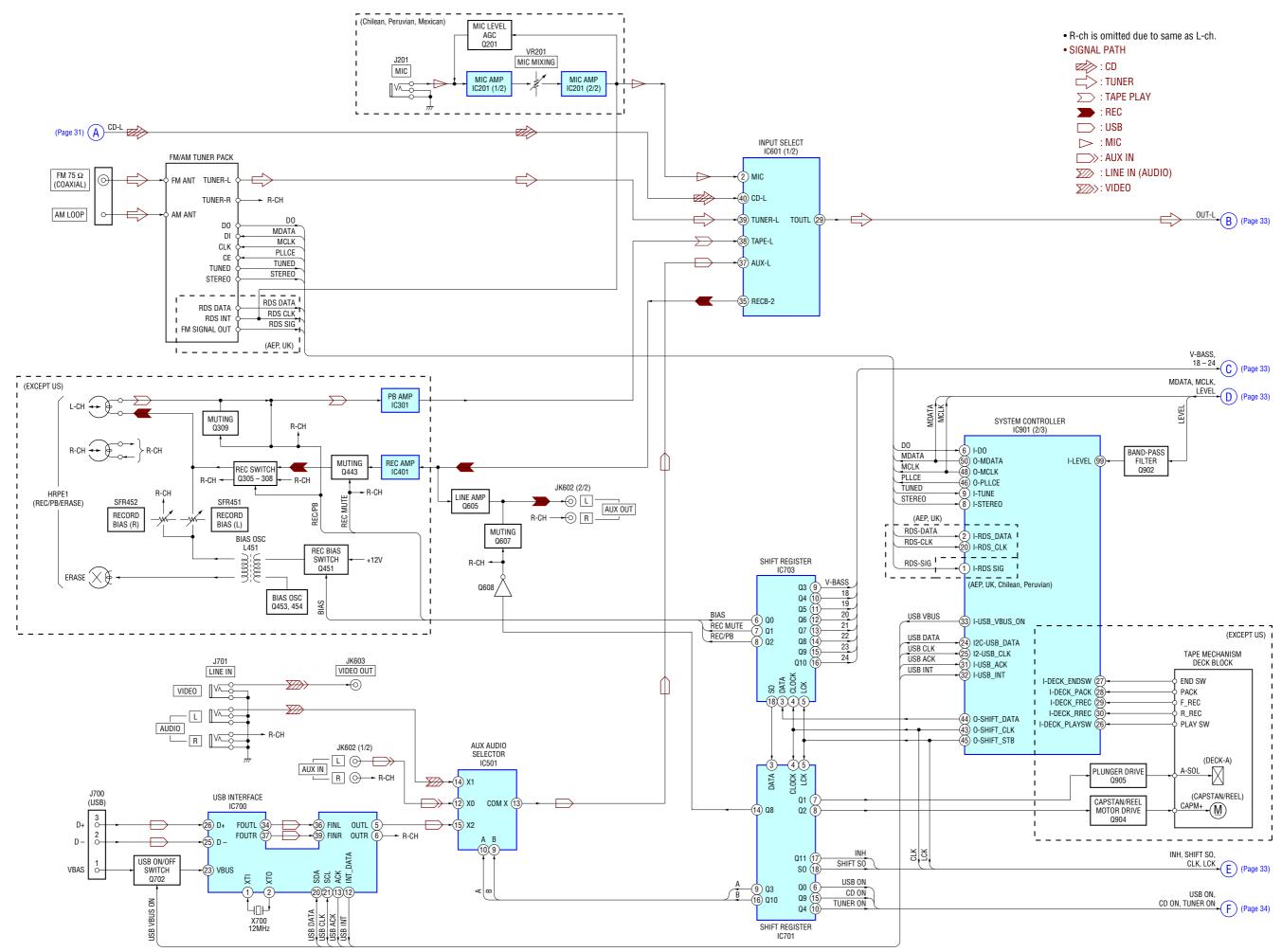
# <u>MEMO</u>

# SECTION 8 DIAGRAMS

## 8-1. BLOCK DIAGRAM - CD Section -

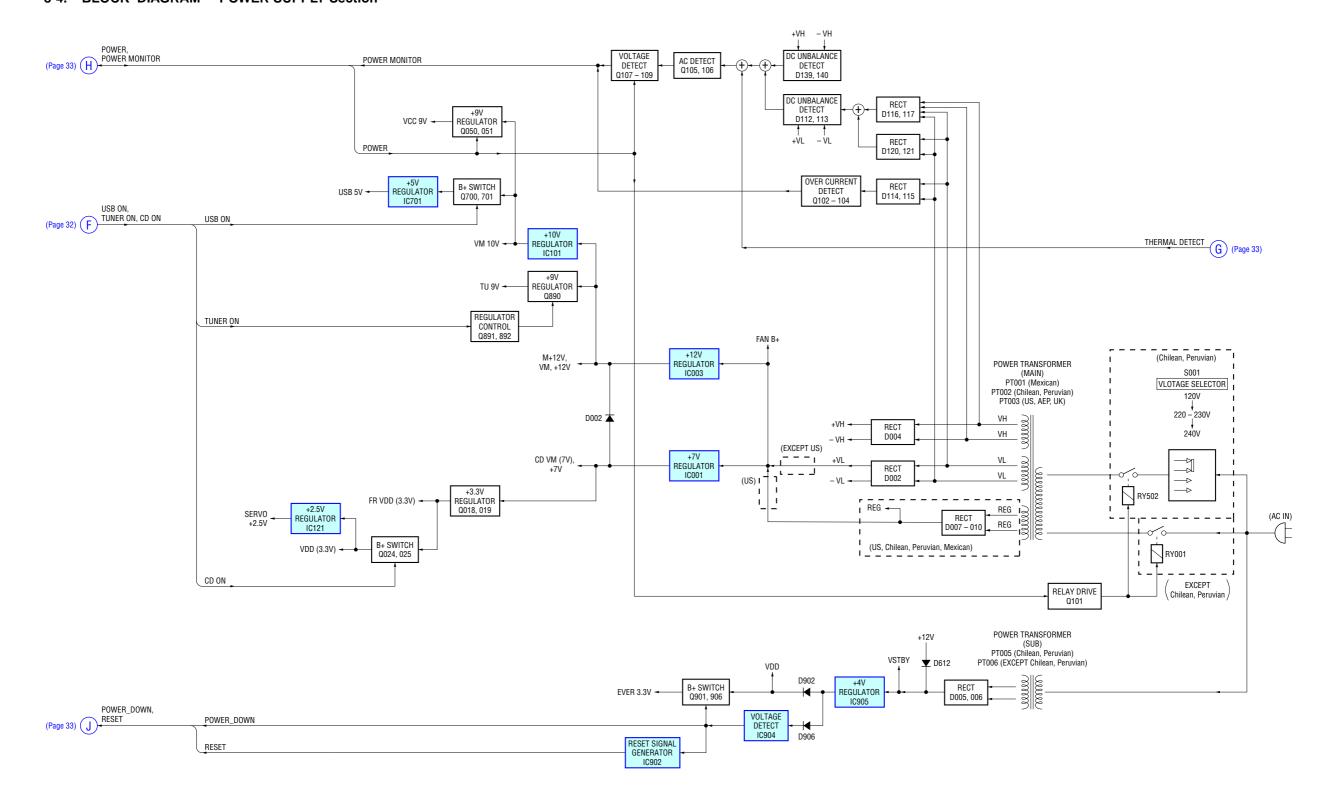


## 8-2. BLOCK DIAGRAM - TUNER/TAPE/USB Section -



#### 8-3. BLOCK DIAGRAM - AMP Section -M301 (FAN) (M) SWITCHING Q618 OUTPUT LEVEL DETECT Q620, 621 • R-ch is omitted due to same as L-ch. FAN MOTOR DRIVE • SIGNAL PATH : TUNER Q301 - 303 SWITCHING Q619 OUTPUT LEVEL DETECT Q617, 622 – 624 R-CH CURRENT MIRROR Q521, 523 R-CH → (+) JK502 BASS BOOST ENHANCER IC603 ELECTRICAL VOLUME IC601 (2/2) (Page 32) B OUT-L PRE DRIVE Q517 CASCADE FINAL DRIVE OUT 2 (25 OUTA (6 28) VOLIN2 Q511, 513, 515 Q531, 533 MUTING Q525 R-CH → (+) BB\_A2 (27) GIN GOUT BBE VREF BIAS Q507, 509 BB\_B2 26→ OVER LOAD DETECT Q505 R-CH FEED BACK R DATA CLOCK SAOUT (13)(12)-SWITCH Q625 RY501 TH501, 502 21)22(19) MUTING OVER CURRENT R-CH → (+) CONTROL Q527 DETECT Q013 BOOST RELAY DRIVE CONTROL Q624 Q530 HOLD Q012 THERMAI DETECT R-CH J521 FREQUENCY CONTROL Q614 – 616 BBE ON/OFF CONTROL BOOST CONTROL Q610, 611 PHONES ▲ D611 Q623 Q617 - 620 **~** V-BASS, 18 –24 (Page 32) **C** MDATA, MCLK, (Page 32) D LEVEL THERMAL DETECT (Page 34) X901 32.768kHz X902 5MHz POWER MONITOR (Page 34) I-HEADPHONE (42) LCD DRIVER IC001 0-POWER (40) SYSTEM CONTROLLER IC901 (3/3) -53 O-LCD\_DATA -54 O-LCD\_CLK -63 O-LCD\_CE CL (79) CE (78) LIQUID CRYSTAL POWER\_DOWN INH (77) (Page 34) DISPLAY I-POWER\_DOWN (41) LCD001 RESET RESET (16) 11 <u>(4)</u> S311 – 320, 331 – 339, S341 – 344 OSC OSC (76) I-KEY1 – I-KEY3 LED202 C105, R101 4 LED DRIVE IC602 STANDBY/ON -0'0-INH, SHIFT SO, (Page 32) E CLK, LCK SHIFT SO DATA CLK LED DRIVE Q601 – 605 LED631 - 035 (DISC INDICATOR 1 - 5) ►(4) CLK LCK 5 LCK ROTARY ENCODER S301 VOLUME 93) I-RE\_VOL -(18) SO LED203 i-Bass ROTARY ENCODER BASS 92) I-RE\_BAS LED DRIVE IC601 ROTARY TREBLE/MIDDLE ENCODER S303 (91) I-RE\_TRE 2) DATA LED204 – 221 (ILLUMINATION) CLK -3 CLK -4 LCK LCK ROTARY ENCODER MULTI JOG 94) I-RE\_JOG S304 LED251 – 254 (LCD BACKLIGHT) REMOTE CONTROL RECEIVER 23) I-RMC R LED601 (DISC SLOT ILLUMINATION) Q7 (12 IC603

## 8-4. BLOCK DIAGRAM - POWER SUPPLY Section -



#### 8-5. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

### Note on Printed Wiring Boards:

- • : parts extracted from the component side.
- parts extracted from the conductor side.
- O : Through hole.
- △ : internal component.
- Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:

(Side A)

Pattern face side: Parts on the pattern face side seen from (Side B) the pattern face are indicated. Parts face side: Parts on the parts face side seen from the parts face are indicated.

### Note on Schematic Diagram:

- All capacitors are in  $\mu F$  unless otherwise noted. pF:  $\mu \mu F$ 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $^{1}/_{4}W$  or less unless otherwise specified.
- △ : internal component.
- \_\_\_\_\_: nonflammable resistor.
- \_\_\_\_\_ : panel designation.

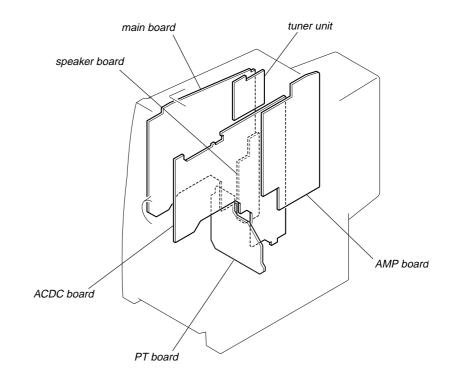
Note: The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

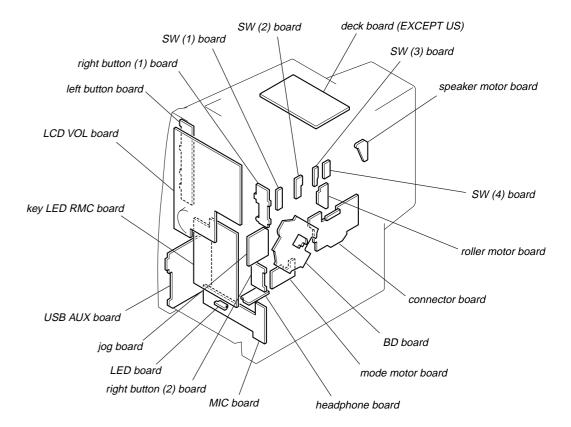
- === : B+ Line. === : B- Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- BD Board -
- no mark : CD PLAY
- DECK Board -
- no mark: TAPE PLAY
- ): TAPE REC - USB AUX Board -
- no mark: USB
- Other Board -
- no mark: TUNER
- ): CD PLAY
- ) : TAPE PLAY
- : TAPE REC
- ] : USB
- \* : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10  $M\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- · Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- · Circled numbers refer to waveforms.
- Signal path.
- :TUNER  $\Rightarrow$ □ : TUNE
  □ : CD
  □ : DIGIT
  □ : TAPE
  □ : USB
  ■ : REC
  □ : MIC
  □ : AUX II
  □ : VIDEO

  Abbreviation
- : DIGITAL OUT
- : TAPE PLAY

- : AUX IN : LINE IN (AUDIO)
- : VIDEO
- : Chiliean and Peruvian models : Mexican model

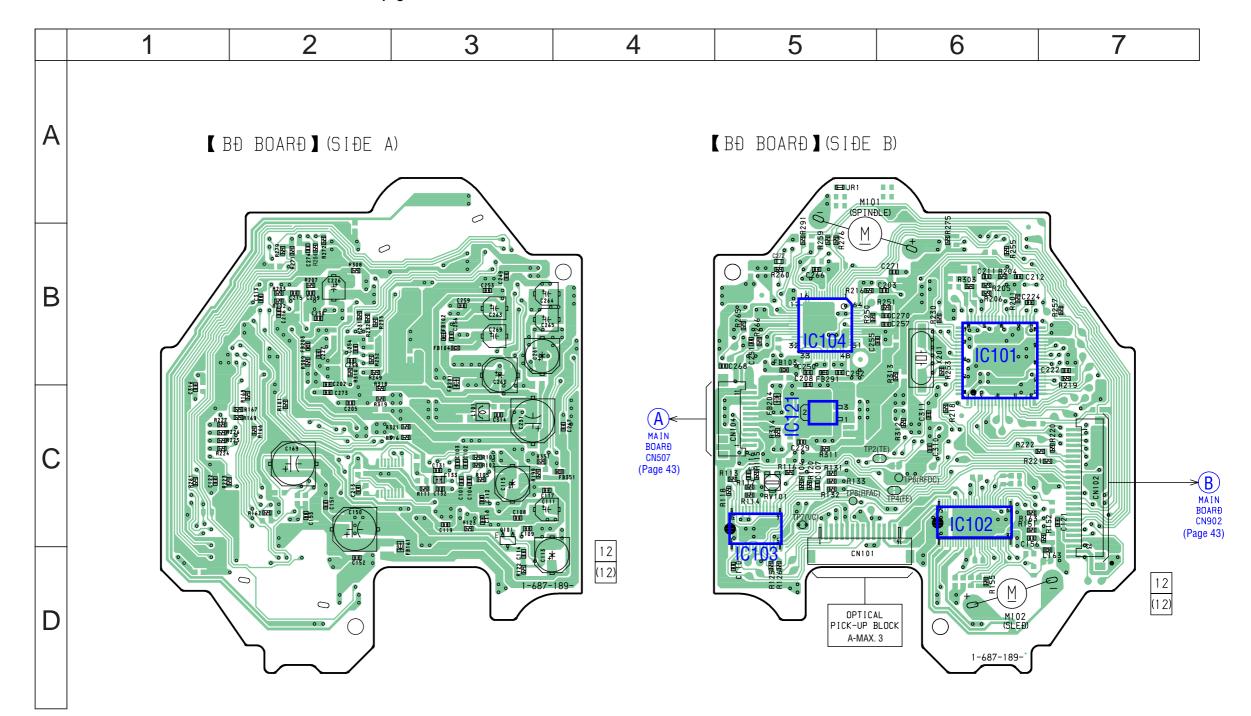
### Circuit Boards Location



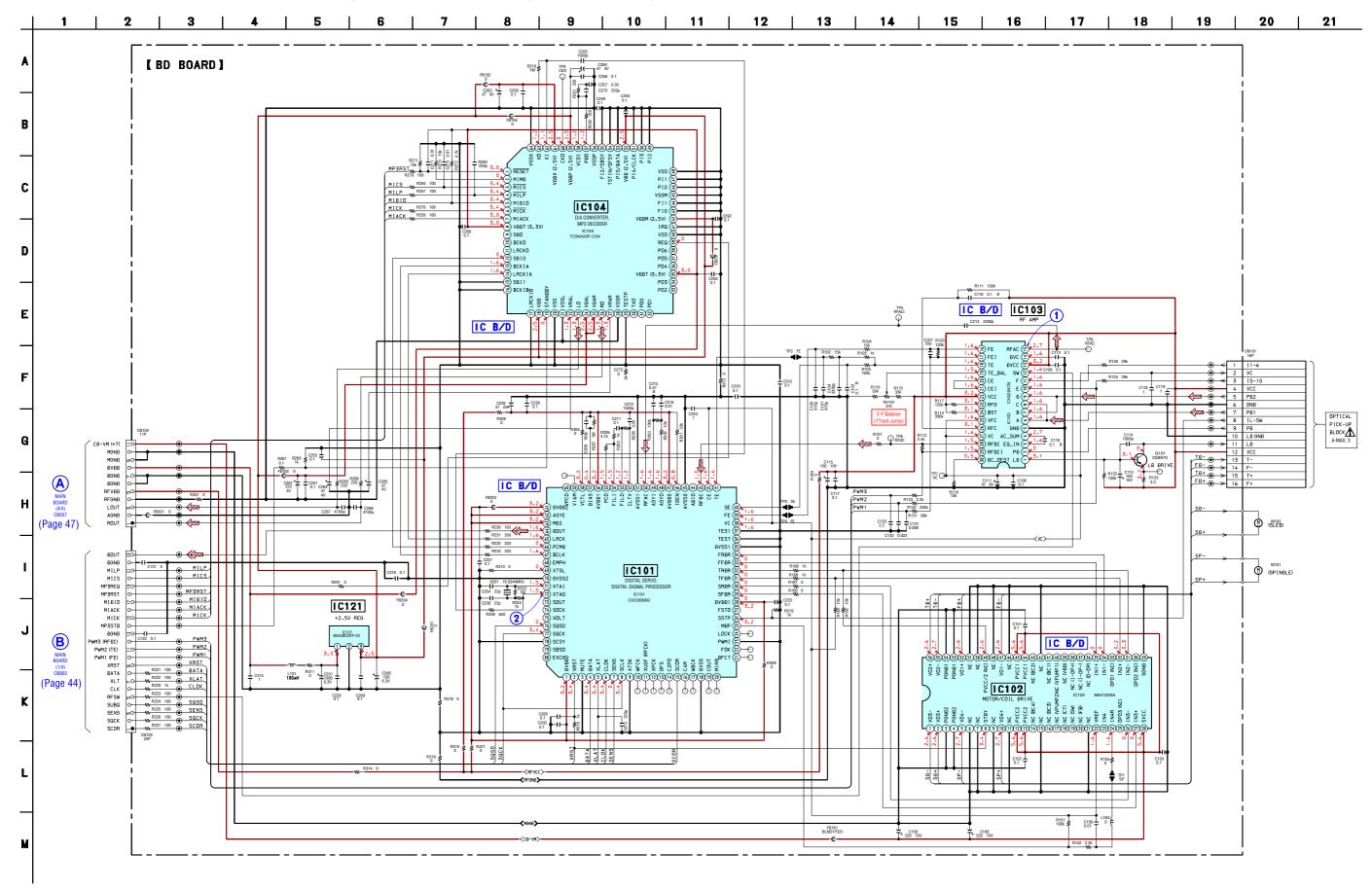


# • Semiconductor Location

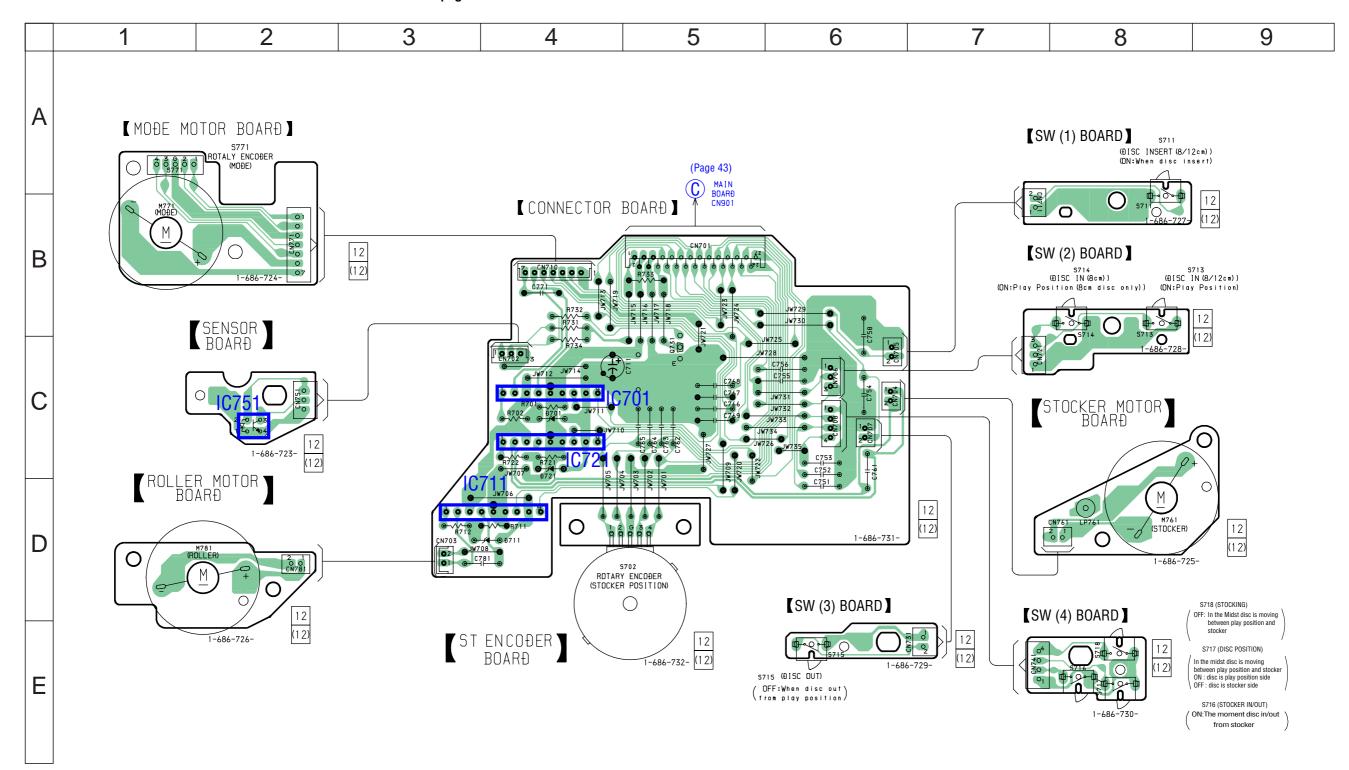
Ref. No.	Location	
IC101	B-6	
IC102	C-6	
IC103	C-5	
IC104	B-5	
IC121	C-5	
0101	C-3	



# 8-7. SCHEMATIC DIAGRAM - BD Board - • See page 42 for Waveforms. • See page 68 for IC Block Diagrams.

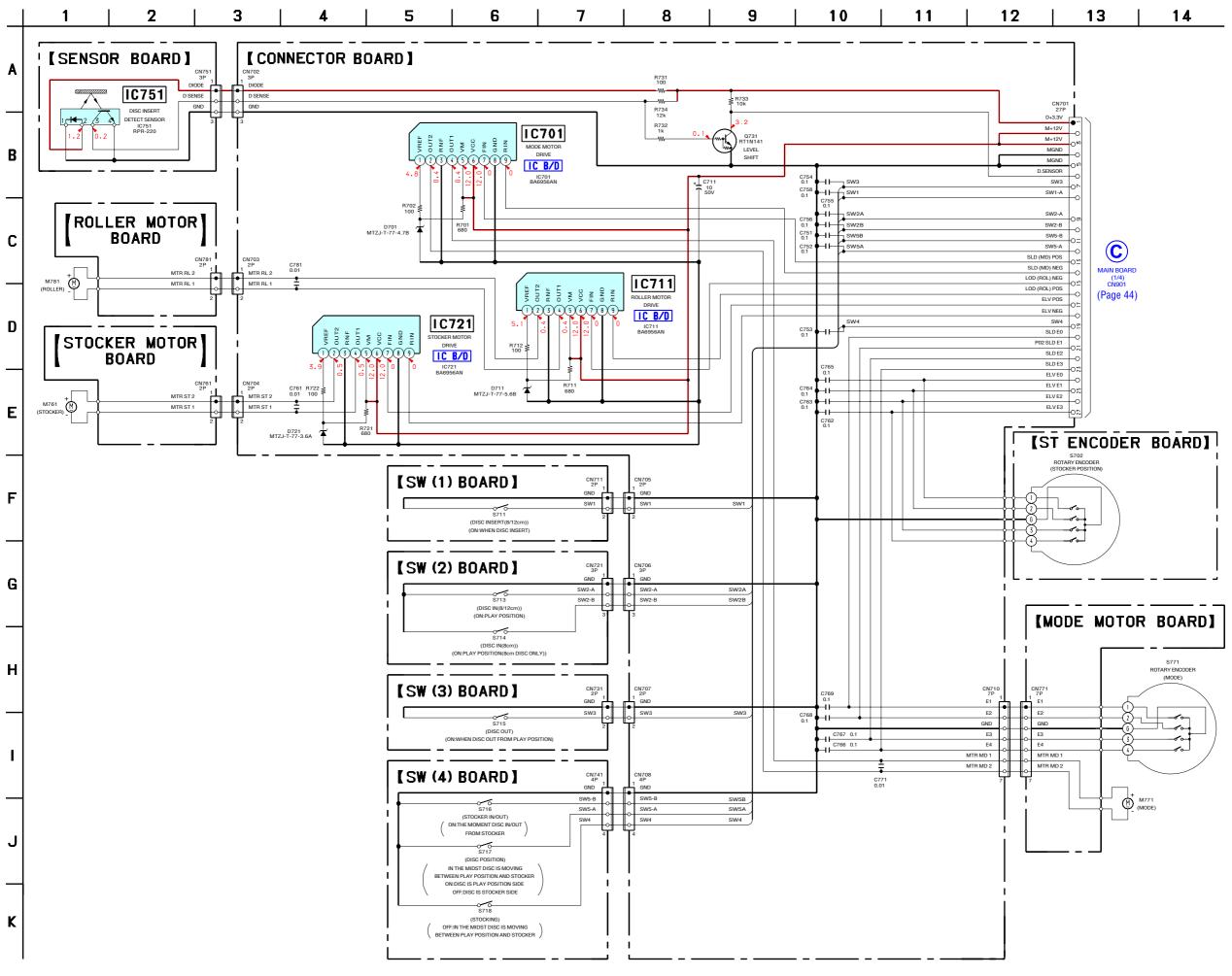


The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.



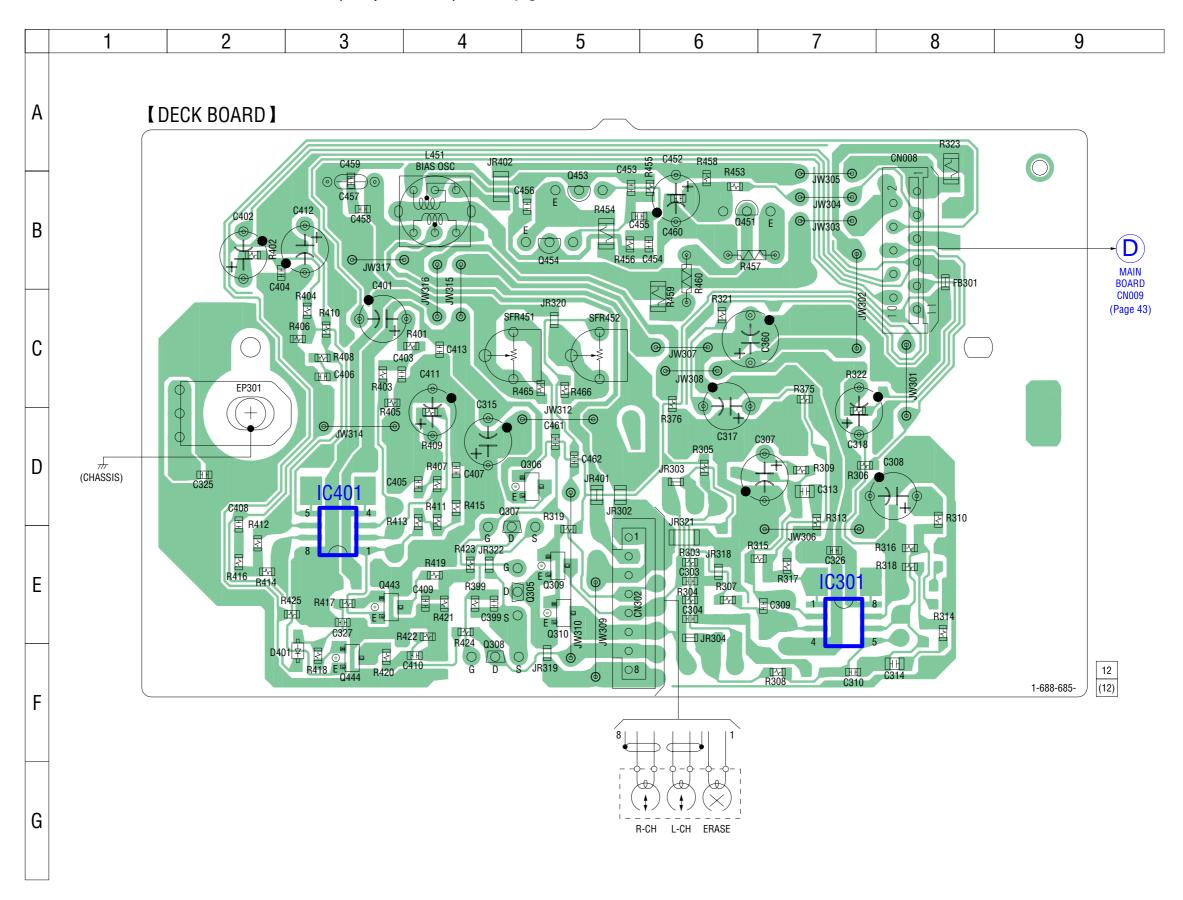
### • Semiconductor Location

Ref. No.	Location
D701	C-4
D711	C-4
D721	C-4
IC701	C-4
IC711	D-4
IC721	C-4
IC751	C-2
Q731	B-5



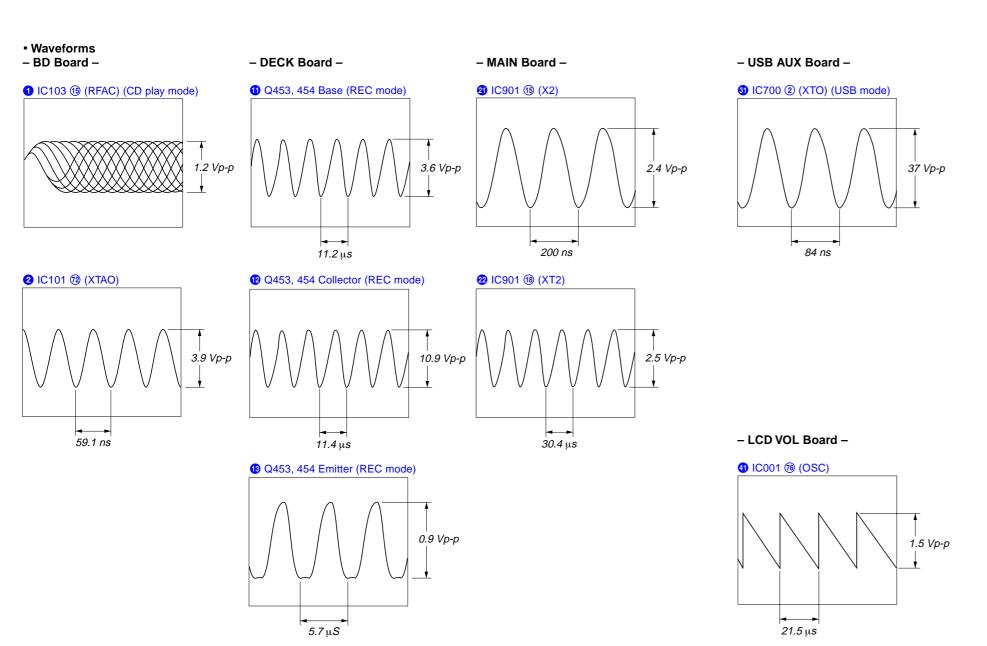
# • Semiconductor Location

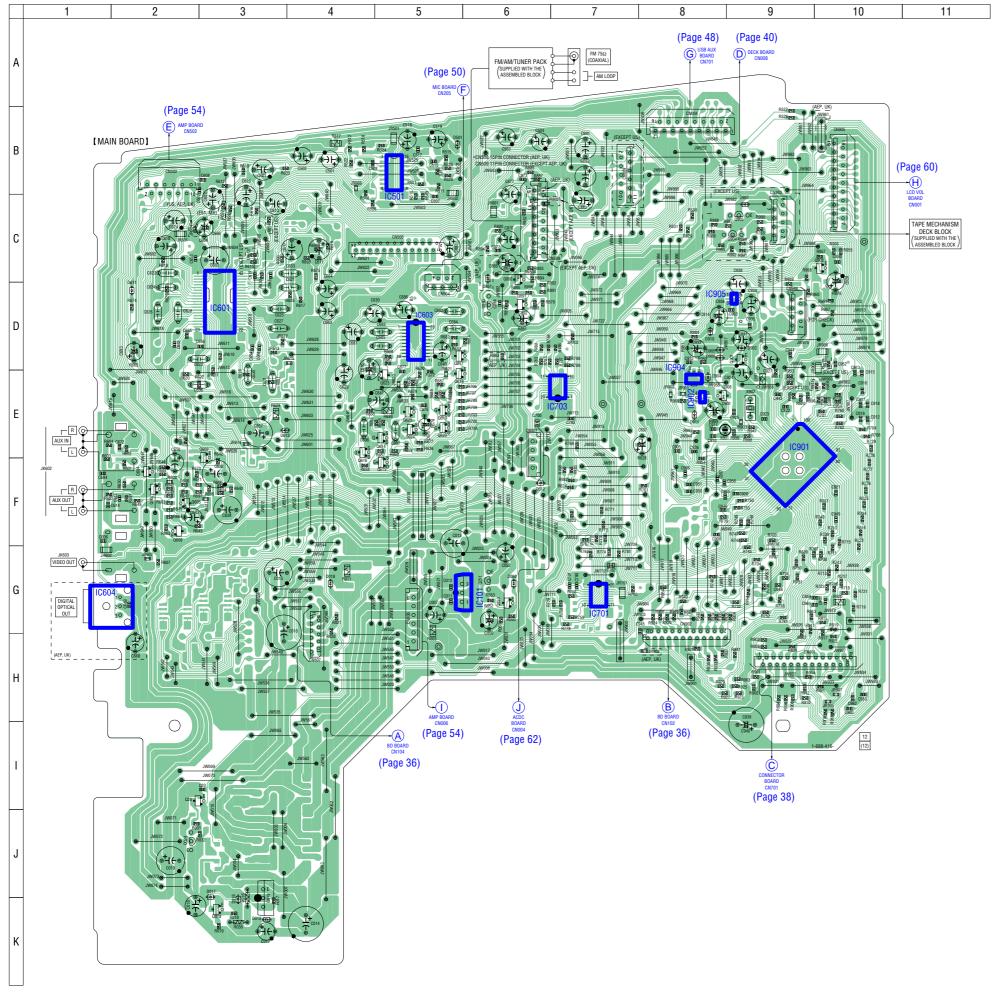
Ref. No.	Location
D401	F-3
IC301	E-7
IC401	E-3
Q305	E-4
Q306	D-5
Q307	E-4
Q308	F-4
Q309	E-5
Q310	E-5
Q443	E-3
Q444	F-3
Q451	B-6
Q453	B-5
Q454	B-5



8-11. SCHEMATIC DIAGRAM - DECK Board (Except US model) - • See page 42 for Waveforms. 5 6 7 8 9 12 2 3 10 11 [DECK BOARD] Α R306 3.9k C309 R307 R321 0 C317 0.1 50V IC301(1/2) NJM14558M TE2 CN008 11P R376 1k ₹R317 1.2k PB-L 10 REC-L В 9 PB-R IC301 +\_\_ C307 100 10V C303 0.0012 8 REC-R A-GND MAIN BOARĐ (3/4) CN009 REC/PB SW C308 100 + 10V R310 56 VM\_A R375 \ + C315 1.2k \ 7 220 16V ₹ R304 82k REC-MUTE R314 C314 18k 0.0068 (Page 46) 0-BIAS R323 100 DECK-D-GND C +12V \_\_\_\_C310 R308 \_\_\_\_\_47p 470 IC301(2/2) NJM14558M TE2 R322 0 C318 C401 0.1 50V T+ C326 C360 0.022 + 220 16V ⊥ C413 ⊤ 0.1 R401 120k D HRPE301 4.5 (4) 3 (REC/PB/ERASE) CN302 8P R403 1k 4.5 (4) ₹ R421 22k IC401(1/2) NJM14558M TE2 Q443 2SA1362G ₹ R413 2.2k R411 15k R415 680 C403 - R405 82p - 47k R407 ₹ R409 2SJ460 (2SJ460 0 (9.8) L-CH Œ Q305 2SJ460 4.5 (4) R319 8.4 4.7k (3.3) T 0.01 T 10 50V Ε ⊥C407 ⊤0.01 ⊥ C327 ⊤ 0.1 C409 0.0047 R399 1M C399 470p IC401 MUTING R408 R410 ₹ R416 680 Q305-308 C404 ⊥R406 82p ⊤ 47k 14 REC SWITCH D401 1SS355 0308 2SJ460 R412 15k Q310 2SA1362G 5.6(3.3) Q306 KRC104 S 4.5<sup>4</sup> F R414 2.2k MUTING ₹R402 120k R404 1k R420 1k R424 18k FB301 MUTING JR401 R465 100K L451 R458 \$ 0.0027 T 18k \$ RECORE BIAS (L SFR451 33K G 12 ⊥ C456 ⊤ 0.01 (11) 11.6(4.9) 0 (2.5) SFR452 RECORĐ BIAS (R Q451 2SA1981 Q453 KTC3198GF --w-11.6 (6) REC BIAS Q453,454 SWITCH BIAS OSC C452 \_\_\_\_\_ 22 25V \_\_\_\_\_ R457 \$ C454 0.0027 (13) 12 (5.6) C325 -Q454 KTC3198GF 12 Н R453 3.3k R459 \$ (CHASSIS)

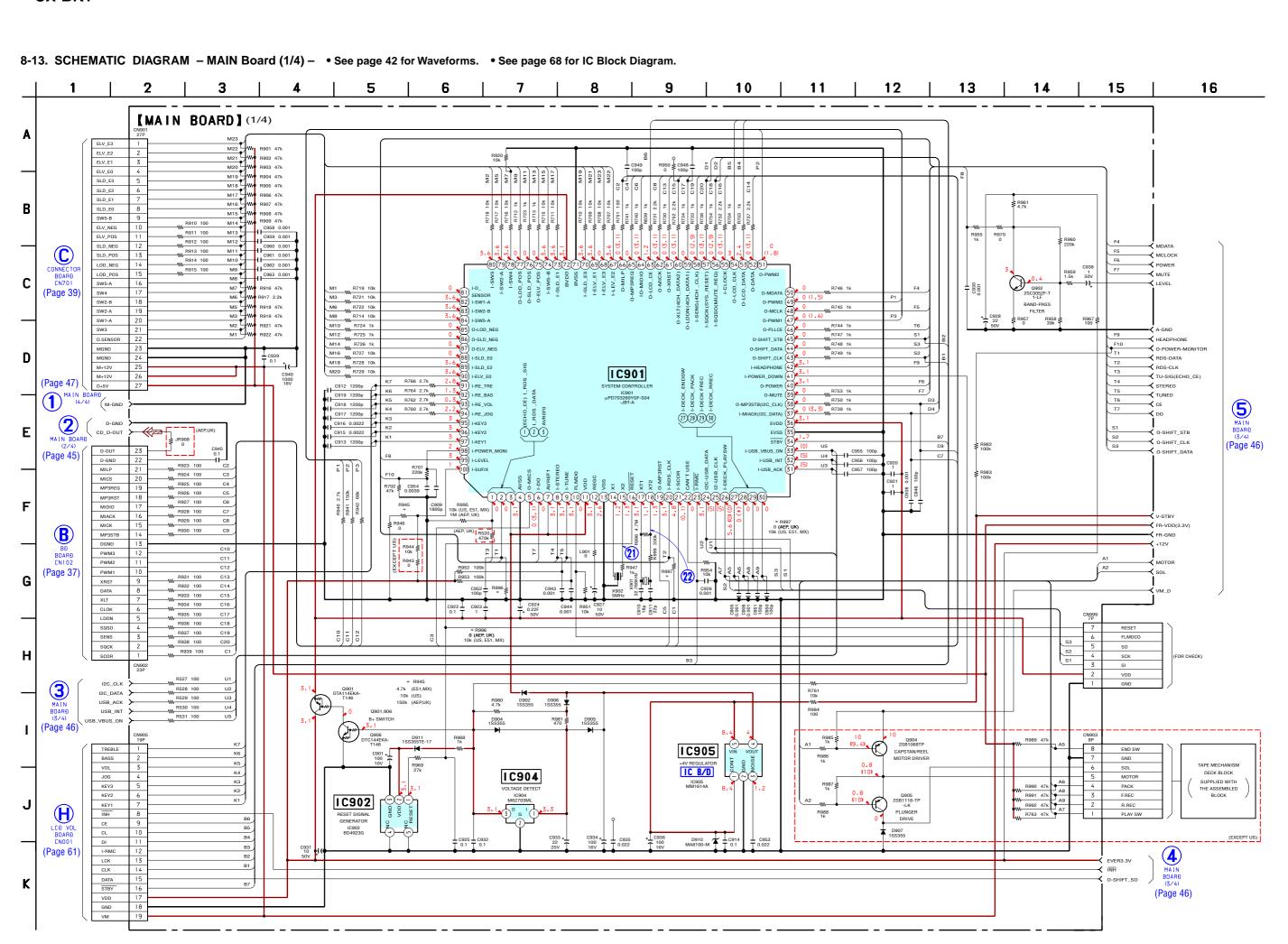
# CX-BK1



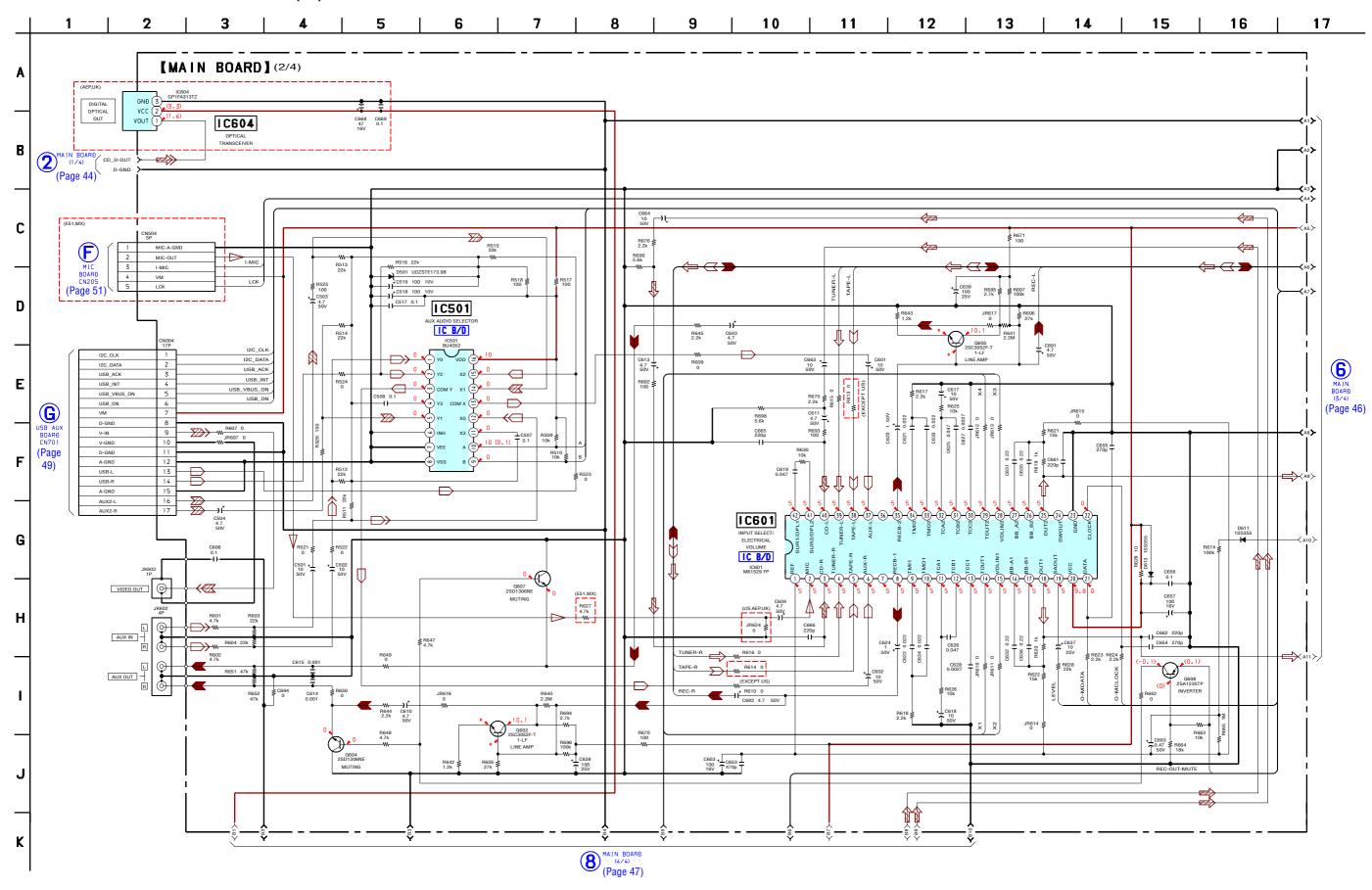


# Semiconductor Location

Location			
Ref. No.	Location		
D015 D016 D017 D018 D050 D501 D611 D612 D613 D861 D902 D904 D905 D906 D907 D910	K-3 K-3 J-3 G-4 G-6 B-5 D-2 F-6 E-3 C-6 D-9 E-8 D-8 C-9 D-8		
IC101 IC501 IC601 IC603 IC604 IC701 IC703 IC901 IC902 IC904 IC905	G-5 B-5 D-3 D-5 G-2 G-7 E-7 F-9 E-8 E-8 D-9		
Q25 Q018 Q019 Q024 Q050 Q051 Q602 Q604 Q605 Q607 Q608 Q614 Q615 Q616 Q617 Q618 Q620 Q623 Q624 Q625 Q890 Q891 Q892 Q901 Q902 Q904 Q905 Q906	I-2 K-3 J-2 G-6 G-6 E-3 F-2 F-2 F-2 E-5 E-5 E-5 E-5 E-5 E-5 C-6 D-6 C-9 C-9 C-9		

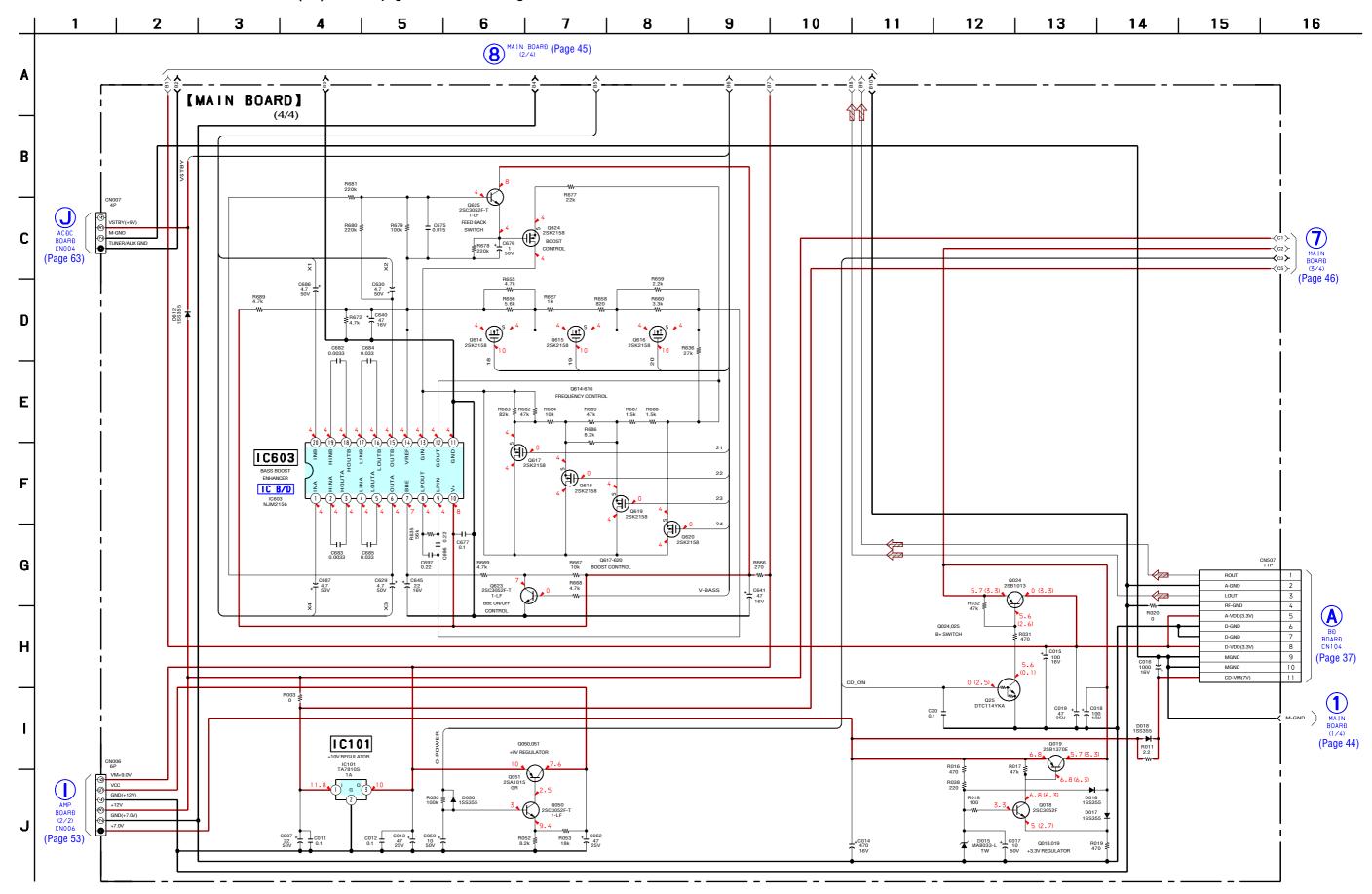


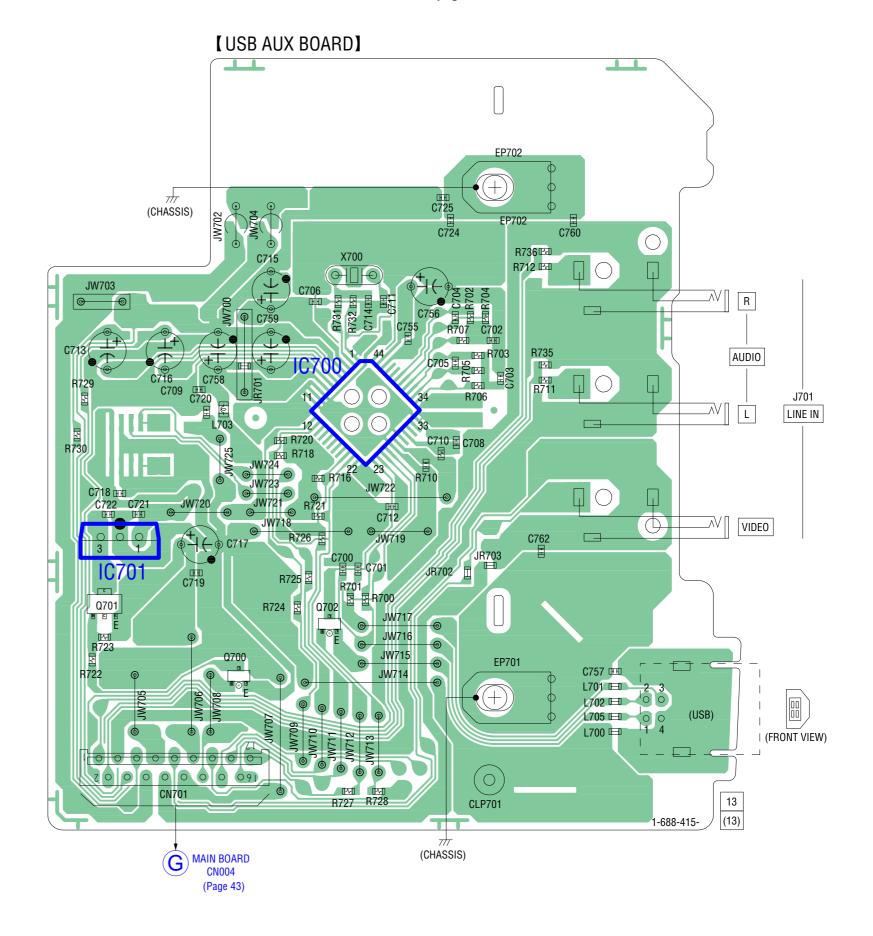
# 8-14. SCHEMATIC DIAGRAM - MAIN Board (2/4) -



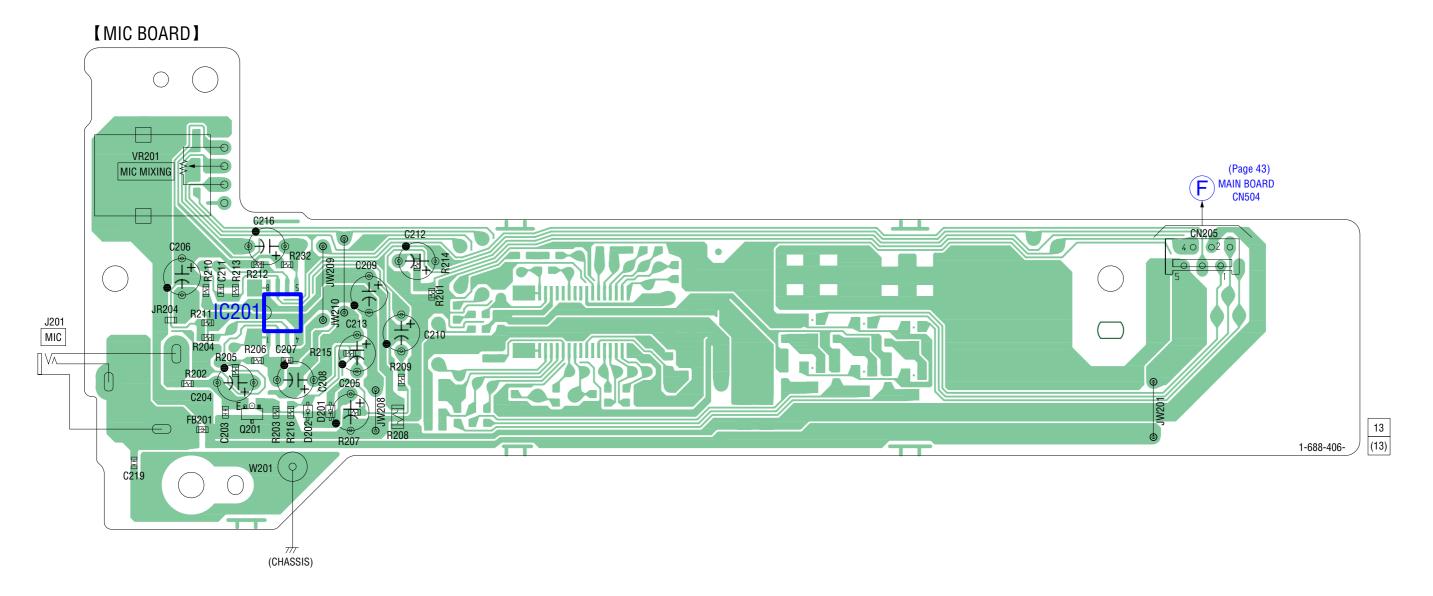
# 8-15. SCHEMATIC DIAGRAM - MAIN Board (3/4) - • See page 68 for IC Block Diagrams. 5 | 6 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 MAIN BOARD (Page 44) (Page 44) (Page 44) MAIN BOARD (1/4) VBUS LINT ACK DATA [MAIN BOARD] (3/4) FM SIGNAL OUT FM/AM TUNER PACK SUPPLIED WITH THE ASSEMBLED BLOCK STEREO TUNED R863 68 R881 47k 47k 16V ↑ GND TUNER-L STEREO $\Leftrightarrow$ CLK MAIN BOARĐ (2/4) DECK-D-GN O-BIAS (Page 45) D DECK BOARD CN008 (Page 41) REC-MUTE JR708 0 23 R789 47k ≸ ₹ R788 ₹ 47k R768 10k JR707 0 22 JR706 0 21 JR705 0 20 JR704 0 19 AMP-A-GND IN-R AMP-A-GND IC701 AMP BOARD (1/2) CN502 (Page 52) IC703 AMP-A-GND <A9> $\Rightarrow$ $\Rightarrow$ <A10 > $\Rightarrow$ (Page 47)

8-16. SCHEMATIC DIAGRAM - MAIN Board (4/4) - • See page 68 for IC Block Diagram.

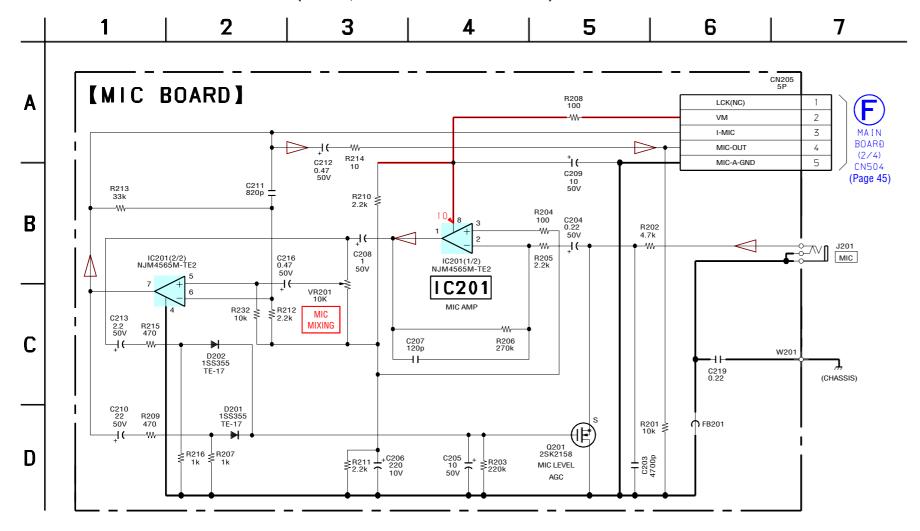




8-18. SCHEMATIC DIAGRAM - USB AUX Board - • See page 42 for Waveform. 5 9 12 2 3 6 7 8 10 11 1 4 [USB AUX BOARD] Α R700 22 ⊥ <sub>C710</sub> ⊤ <sub>0.1</sub> R701 22 Q702 DTA114EKA-T146 IC701 USB ON/OFF SWITCH +5V REGULATOR Q701 2SB1132-T1 01-R IC701 NJM78M05S C708 I В ⊥C712 ⊤0.47 R710 220k R723 1k B+ SWITCH CN701 17P R706 15k R727 100 J700 I2C\_CLK R726 100 16 I2C\_DATA R725 100 ₹ R703 C705 15k 220p 15 USB\_ACK TRDY (22) R724 100 SCL (21) 14 USB\_INT R728 100 D 13 USB\_VBUS\_ON R707 15k C702 1000p H H W R704 8.2k NC 19 NC 18 NC 17 NC 16 NC 15 NC 14 37) FOUTR 12 USB\_ON IC700 38) **FOPR** 11 G R702 C704 15k 220p 39 FINR 40 NC 41 NC 10 D-GND L700 0 USB INTERFACE  $\Sigma \rangle$ IC700 μAC3553B MAIN BOARĐ (2/4) CN004 V-GND (42) SGND D-GND 43 SREF ACK (13) A-GND R730 680 (Page 45) Ε C755 100p W R729 680 USB-R 1 C757 T 0.22 3 A-GND C756 4.7 50V 1 (2 (3 (4 (5 (6 (7 (8 (9 (10 (1 1 AUX2-L L703 0 AUX2-R (31) C725 100p (CHASSIS) C760 0.47 R732 100k R731 33 (CHASSIS) C762 X700 12MHz C713 10 50V C706 ⊥ 0.01 ⊤ JW704 0.45μH G VIDEO  $\longrightarrow$  $\longrightarrow$ JR702 0 J701 3P LINE IN  $\Sigma$ Н ₹ R735 22k R711 4.7k AUDIO



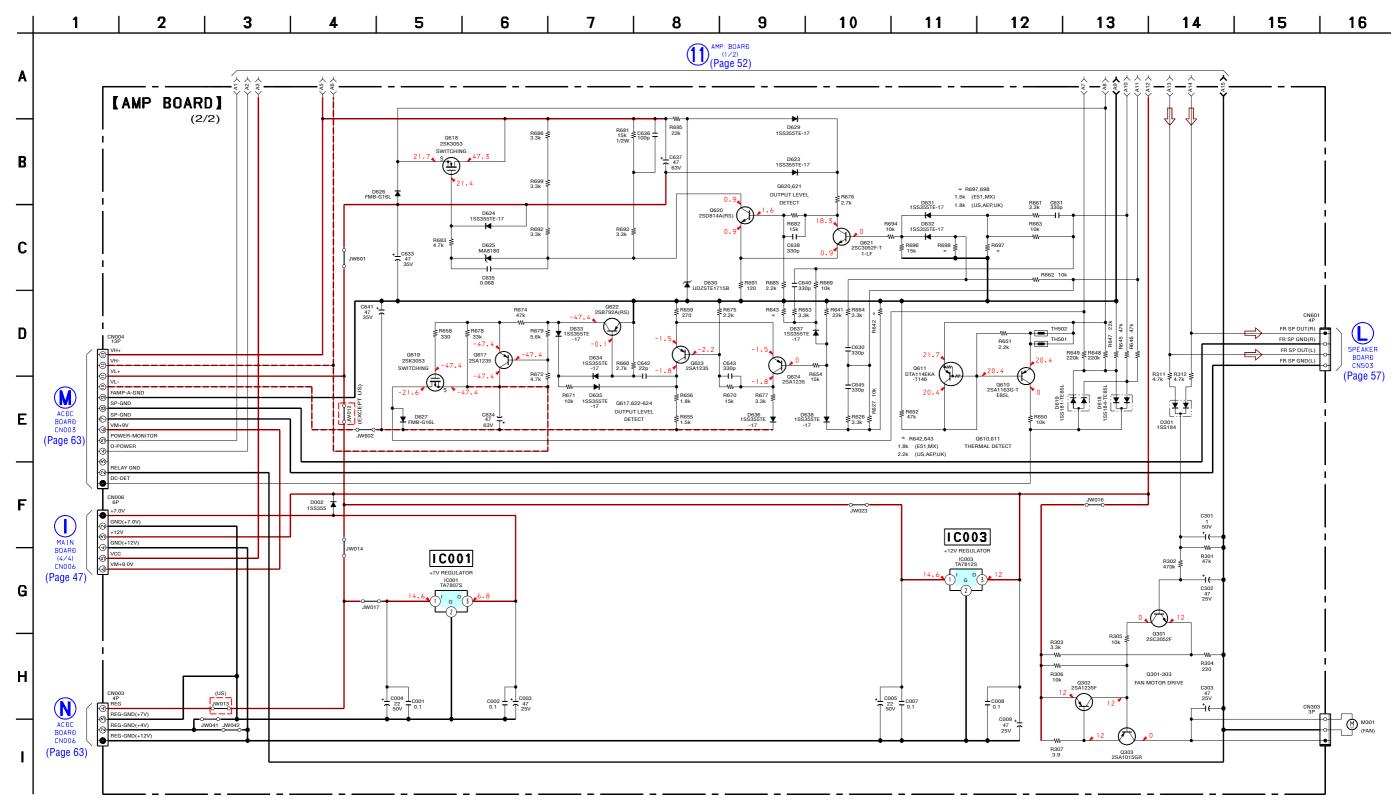
# 8-20. SCHEMATIC DIAGRAM - MIC Board (Chilean, Peruvian and Mexican models) -



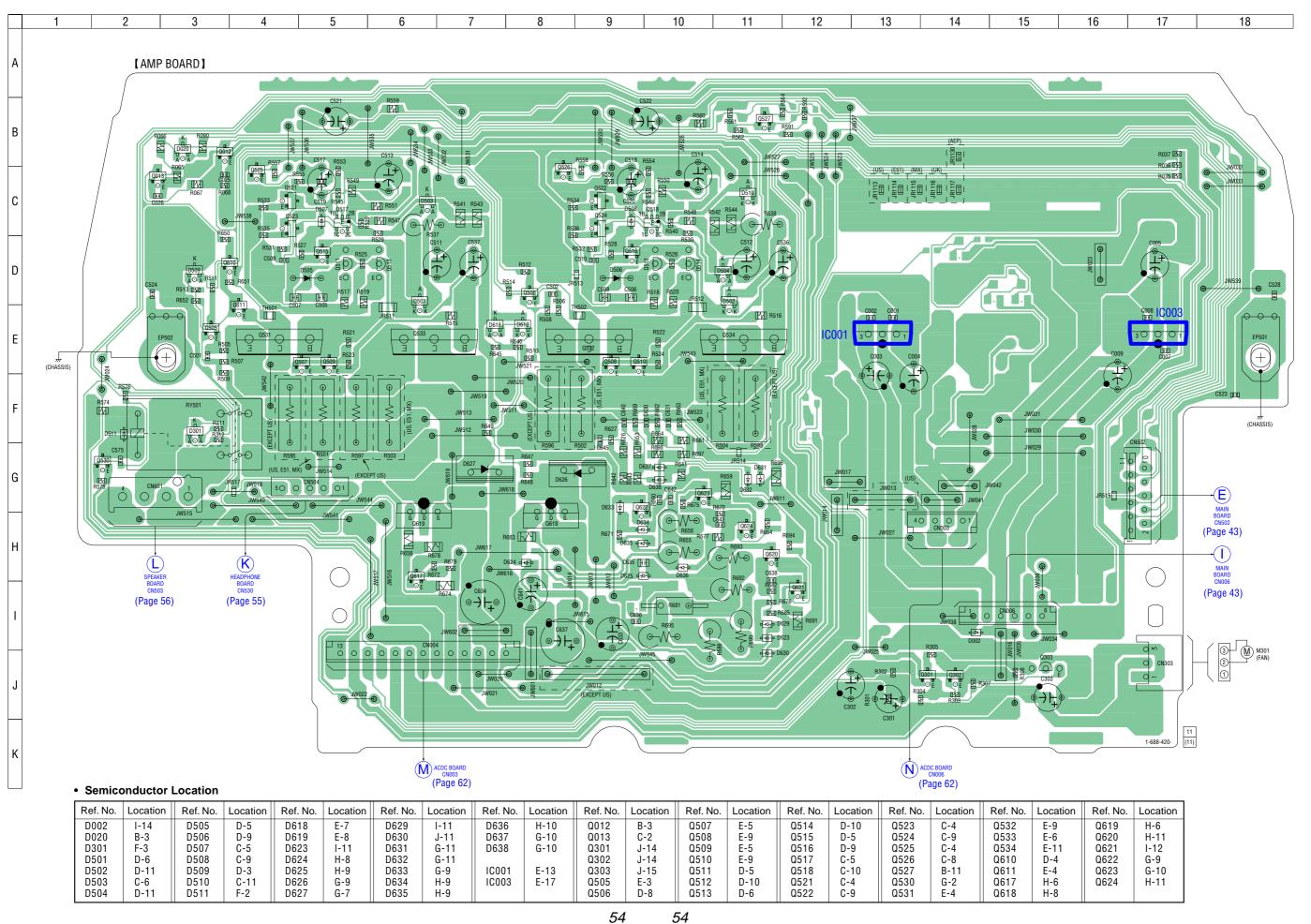
# 8-21. SCHEMATIC DIAGRAM - AMP Board (1/2) -2 5 6 7 8 9 10 11 12 13 14 15 16 [AMP BOARD] (1/2) R529 4.7k \* R507 1.2k (US,E51,MX) R505 100 1.5k (AEP,UK) R539 10k C521 R559 4.7 3.9k 50V R523 2.2k C507 100p 100V C505 100p 100V R501 0.22 3W R595 \* R509 2.7k ₹ R549 \* C513 22 50V + C509 820p R511 ≥ R514 1k ≥ 6.8k $\Rightarrow$ AMP-A-GND Q530 2SC3052F-1-LF RELAY DRIVE MAIN BOARÐ (3/4) CN502 $\Rightarrow$ AMP-A-GNI Q511,513,515 MIXOUT-LR AMP-A-GND MUTE Q526 2SD1306 NE 07-TL MUTING (Page 46 0-POWER ₹ R592 15k Ε SYSTEM-MUT R562 1M R542 2.2k R540 10k R530 4.7k R544 2.2k Q532 2SD2439 (US) 2SD2562 (E51,MX) FN1016 (AEP,UK) ₹ R591 100k R522 1.8k R560 3.9k R524 2.2k + C512 33 HF548 27k R502 0.22 3W R596 \* R510 2.7k ≸ G Q512,514,516 C026 4700p R065 10k AMP BOARD (2/2) (Page 53)

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

# 8-22. SCHEMATIC DIAGRAM - AMP Board (2/2) -



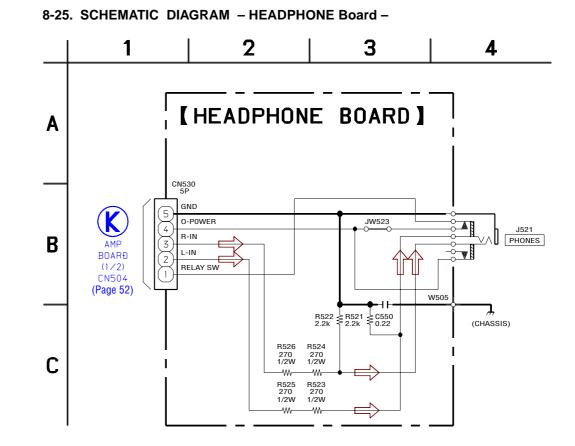
53



8-24. PRINTED WIRING BOARD – HEADPHONE Board – • See page 35 for Circuit Boards Location.

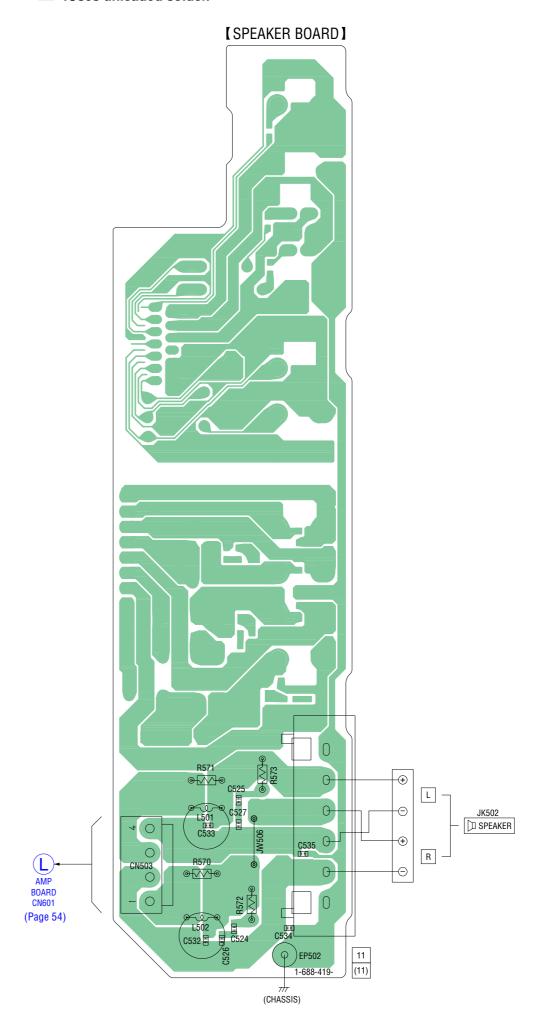
1. \*\*Uses unleaded solder.\*\*

# (CHASSIS)

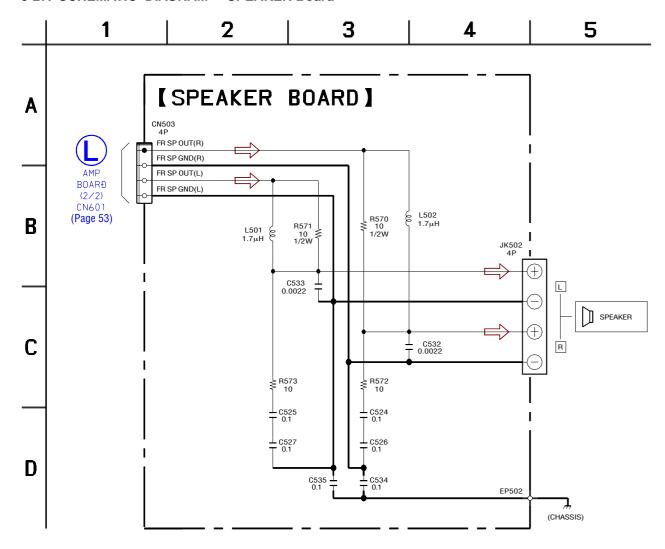


8-26. PRINTED WIRING BOARD - SPEAKER Board - • See page 35 for Circuit Boards Location.

\*\*Incomparison\*\*: Uses unleaded solder.

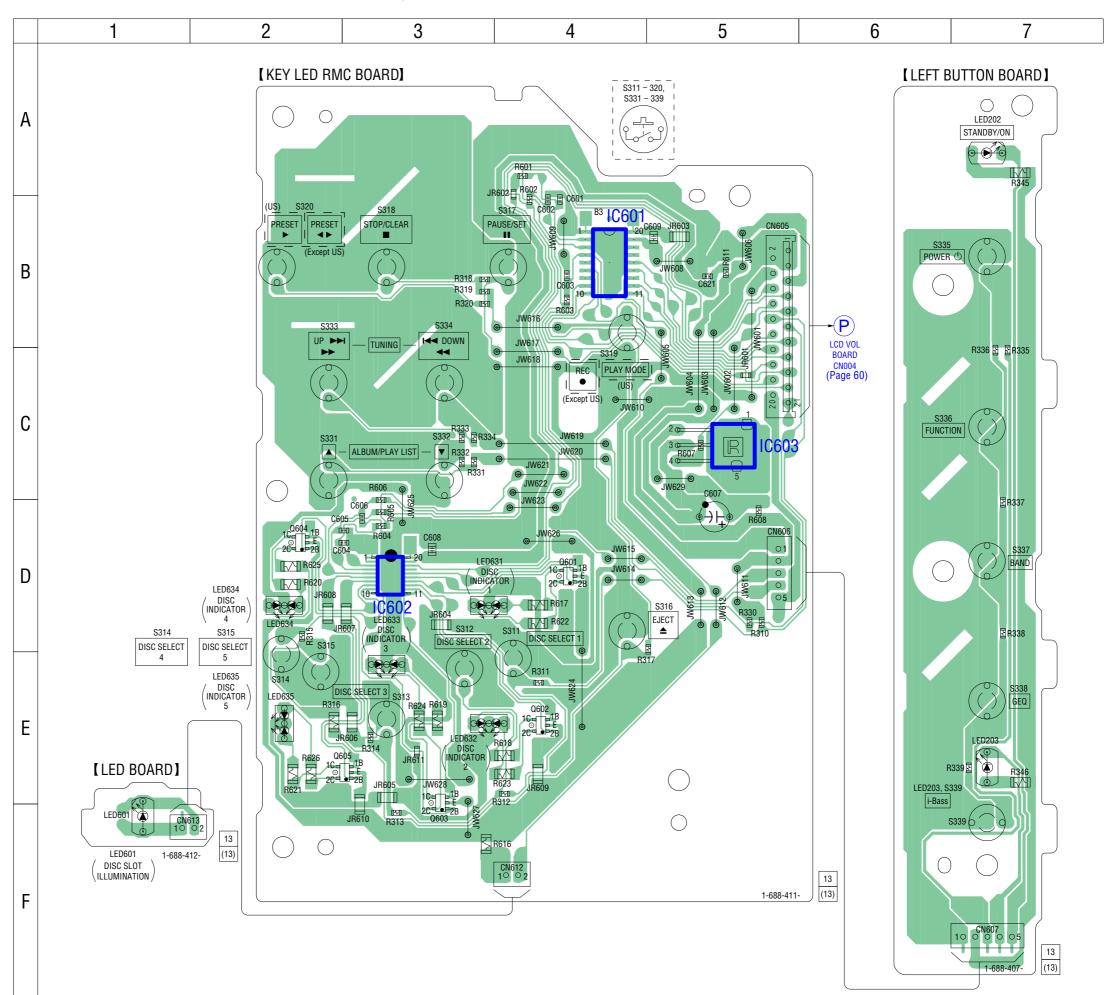


# 8-27. SCHEMATIC DIAGRAM - SPEAKER Board -



### • Semiconductor Location

Ref. No.	Location
IC601	B-4
IC602	D-3
IC603	C-5
LED202	A-7
LED203	E-7
LED601	F-1
LED631	D-3
LED632	E-3
LED633	E-3
LED634	D-2
LED635	E-2
Q601	D-4
Q602	E-4
Q603	E-3
Q604	D-2
Q605	E-3

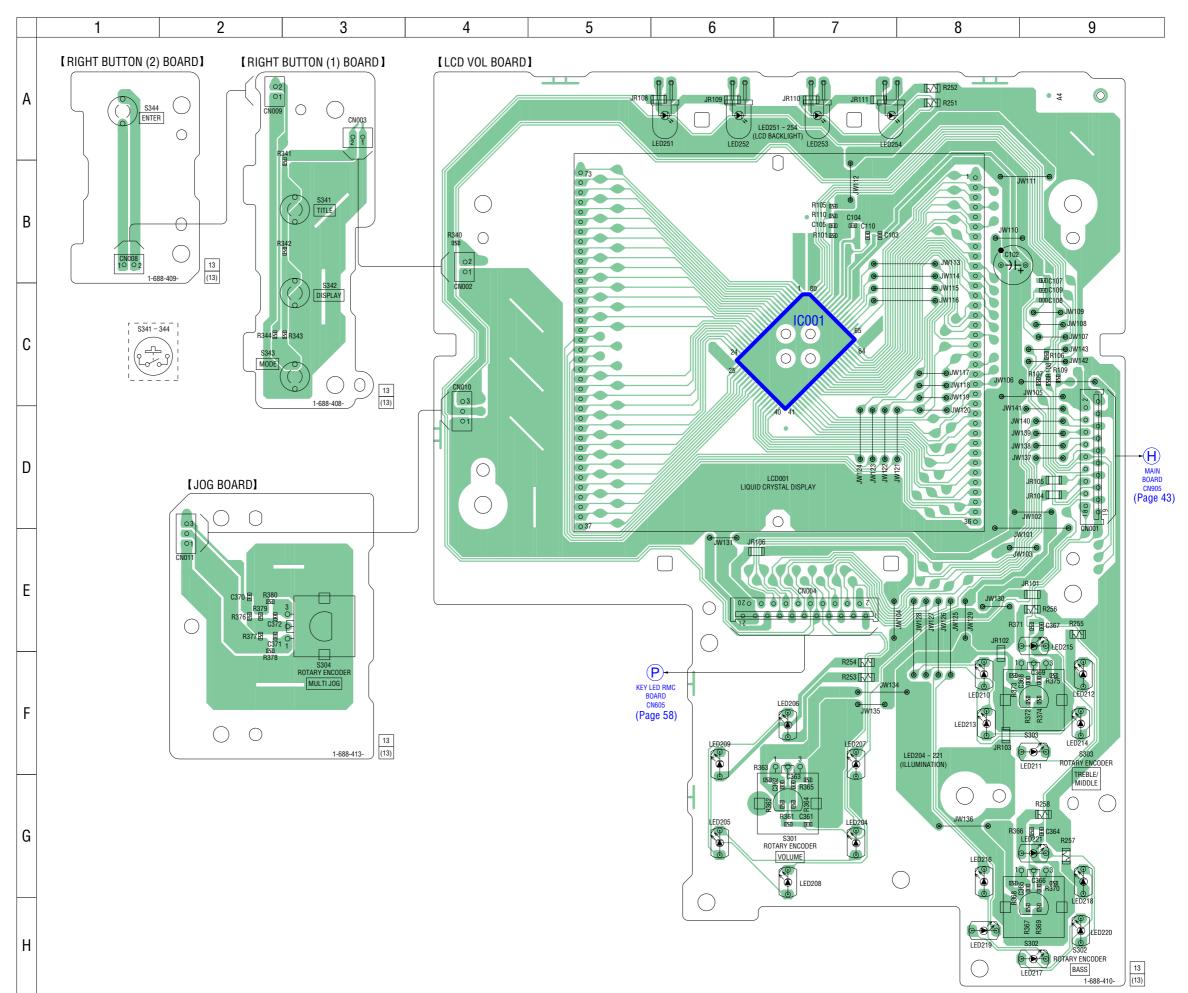


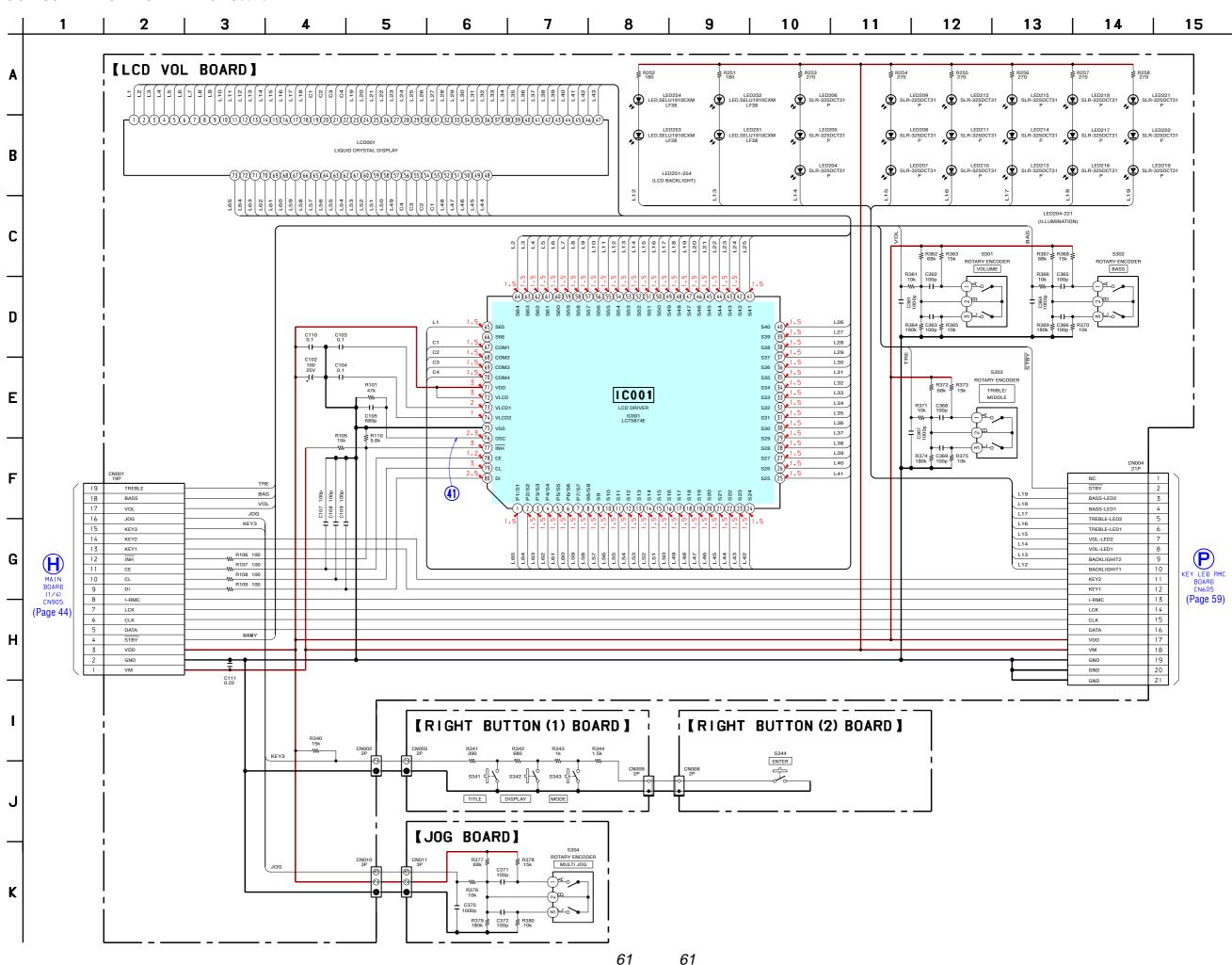
8-29. SCHEMATIC DIAGRAM - KEY Section - • See page 42 for Waveform. 2 3 6 7 8 9 10 11 12 13 14 15 5 [KEY LED RMC BOARD] Q601-605 LED DRIVE [LED BOARD] 7 8 ₹ (% В R616 1k R611 100 LED635 SML78420C 83 21 31 31 31 D C609 0.47 BASS-LED2 BASS-LED2 BASS-LED1 IC603 18 BASS-LED1 TRE-LED2 TREBLE-LED2 TRE-LED1 VOL\_LED2 IC602 I C601 VOL-LED2 VOL\_LED1 LED DRIVE IC602 BU2099FV 14 VOL-LED1 BACK\_LED2 Ε 13 BACKLIGHITZ BACK LED1 12 BACKLIGHIT1 R608 C607 47 16V KEY2 10 KEY1 (Page 61) 9 I-RMC АЗ CLK R601 10k F 5 VDD 3 GND 2 GND 1 GND G 2 8 2 3 3 3 5319 A [LEFT BUTTON BOARD] S313 S315 S316 S317 \$\d Н 3 EJECT P R345 560 PAUSE/SET DISC SELECT -**\*** REC • PRESET R334 1.5k S338 & \\_\O S339 S333 & 4 S334 { - \ POWER () FUNCTION BAND LED203,S339 i-Bass GEQ

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# • Semiconductor Location

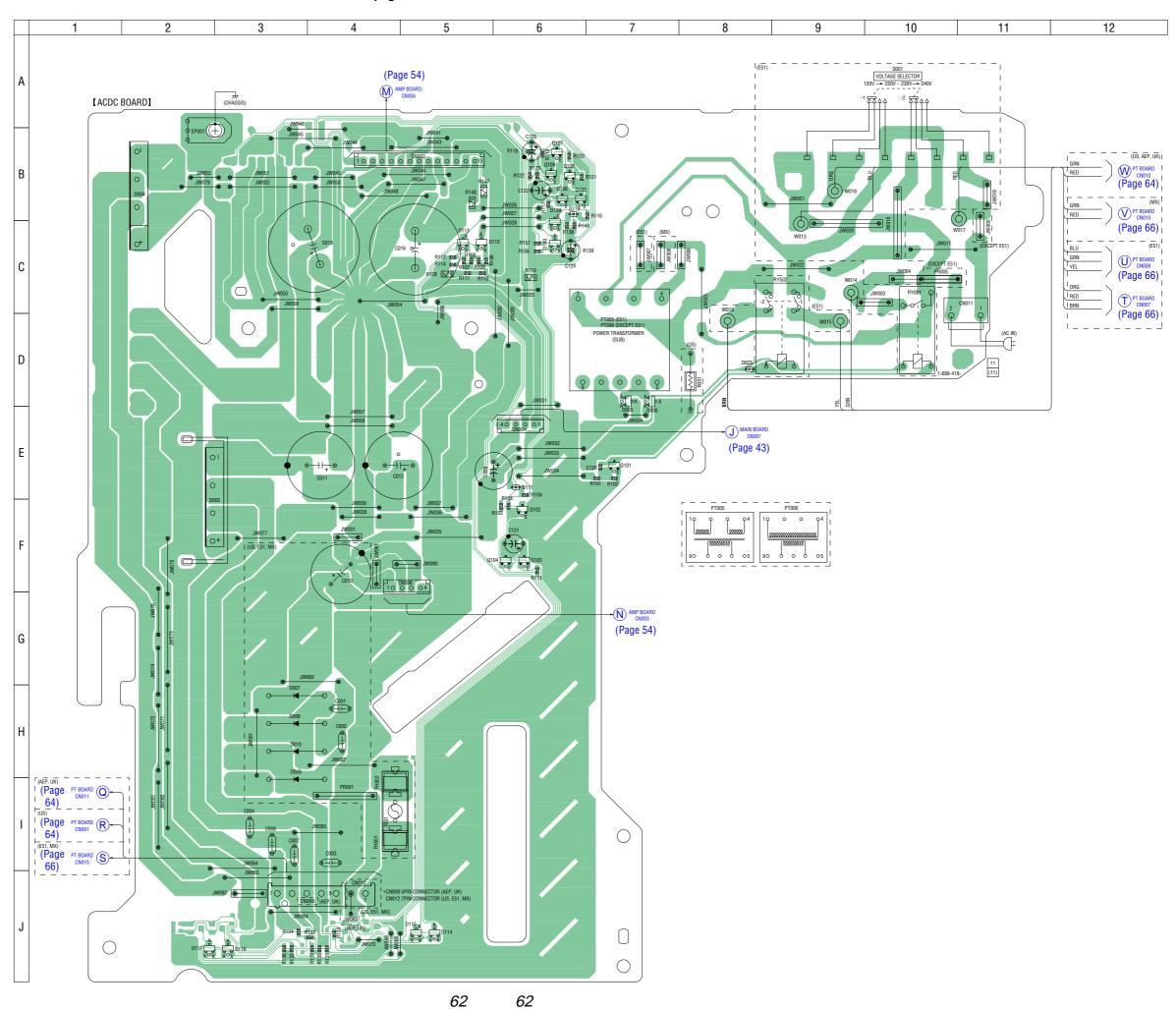
Location		
Ref. No.	Location	
IC001	C-7	
LED204 LED205 LED206 LED207 LED208 LED209 LED210 LED211 LED212 LED213 LED214 LED215 LED216 LED217 LED218 LED219 LED220 LED221 LED221 LED251 LED255 LED253 LED254	G-7 G-6 F-7 F-7 F-6 F-8 F-9 F-8 F-9 G-8 H-9 G-9 H-9 G-9 A-6 A-7	



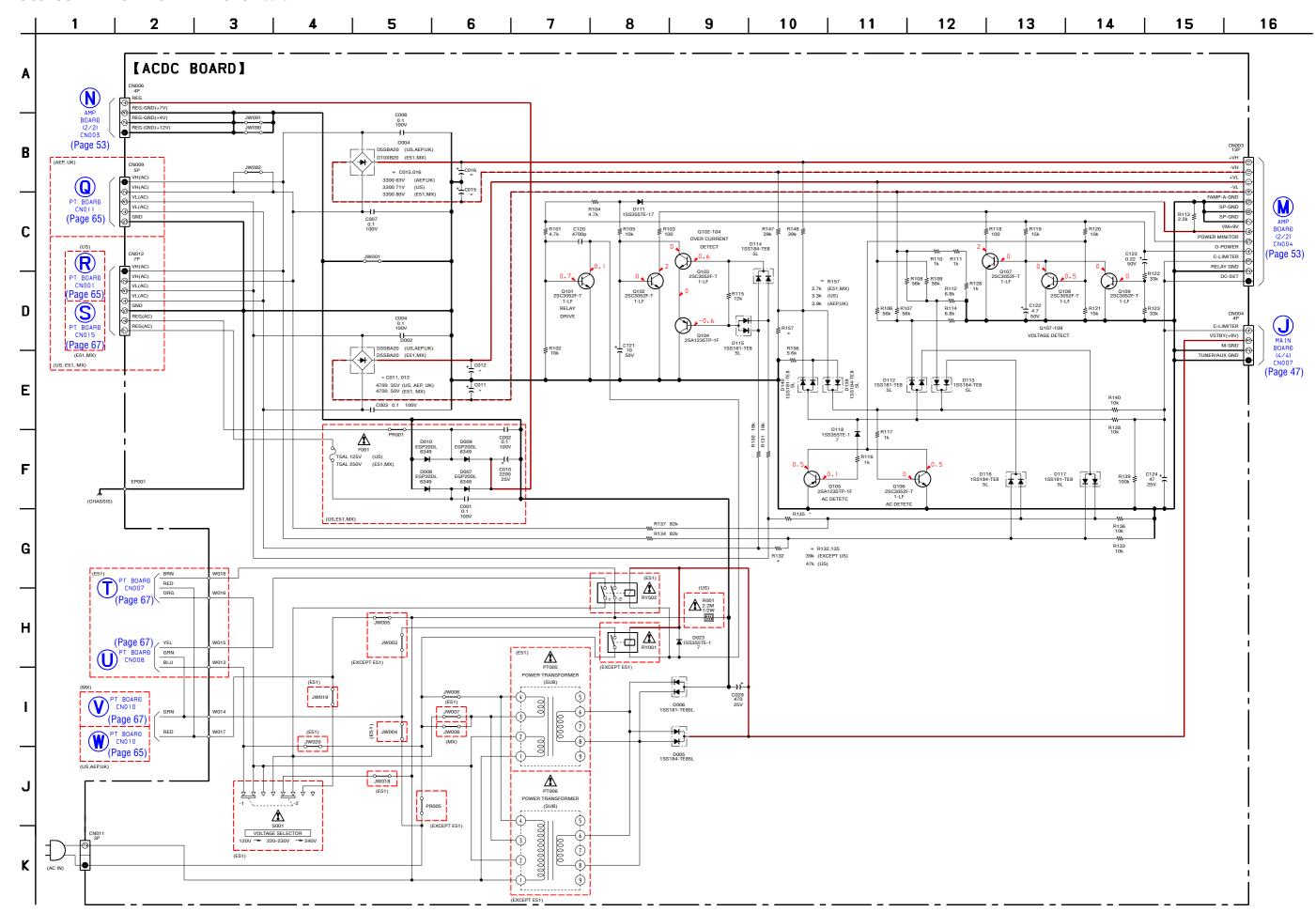


# Semiconductor Location

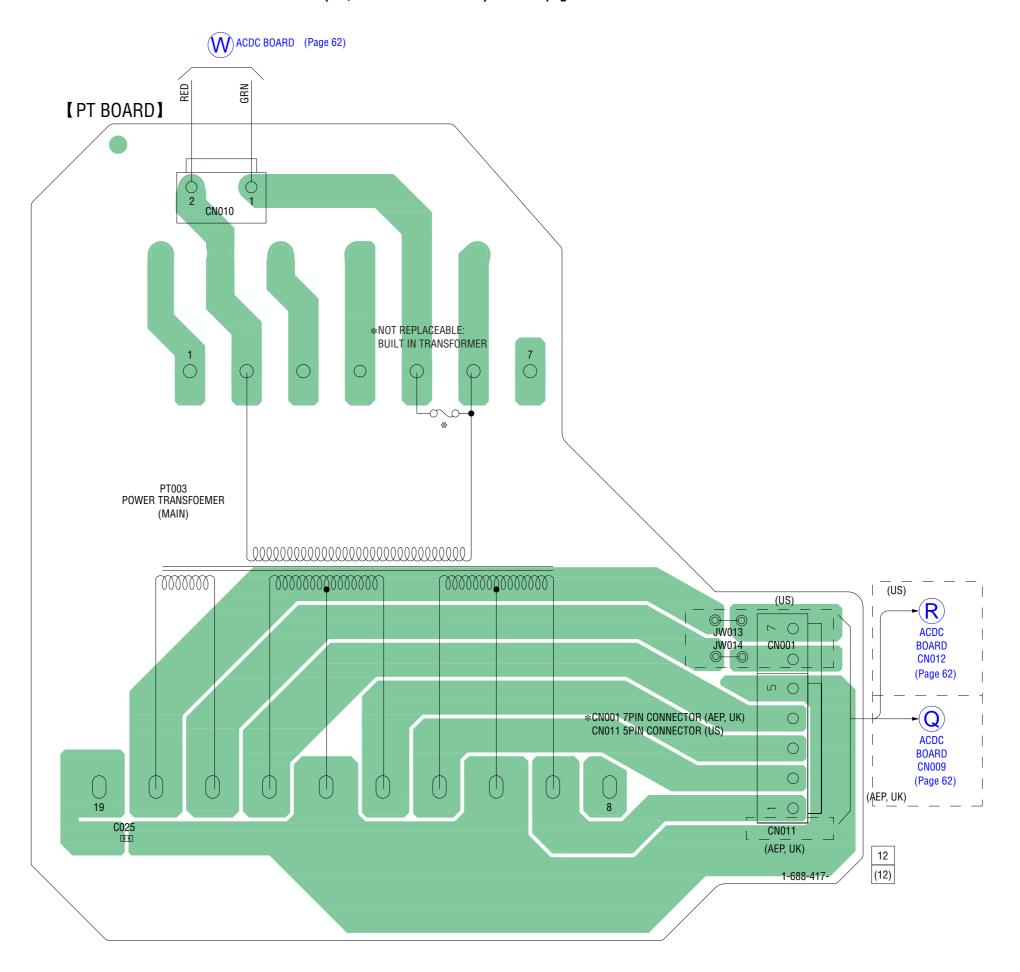
Location		
Ref. No.	Location	
D002 D004 D005 D006 D007 D008 D009 D010 D023 D111 D112 D113 D114 D115 D116 D117 D118 D139 D140	E-3 B-2 D-7 D-7 H-3 H-3 D-8 E-6 C-5 J-5 J-5 J-2 B-6 C-6	
Q101 Q102 Q103 Q104 Q105 Q106 Q107 Q108 Q109	E-7 F-6 F-6 B-6 B-6 B-6 B-6	



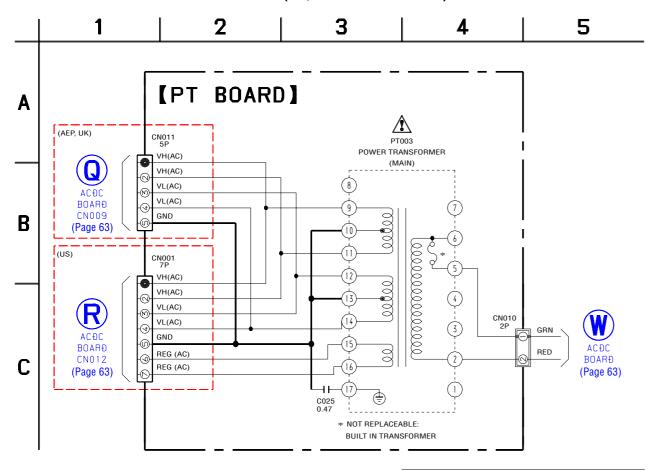
### 8-33. SCHEMATIC DIAGRAM - ACDC Board -



8-34. PRINTED WIRING BOARD - PT Board (US, AEP and UK models) - • See page 35 for Circuit Boards Location. 🗜 :Uses unleaded solder.



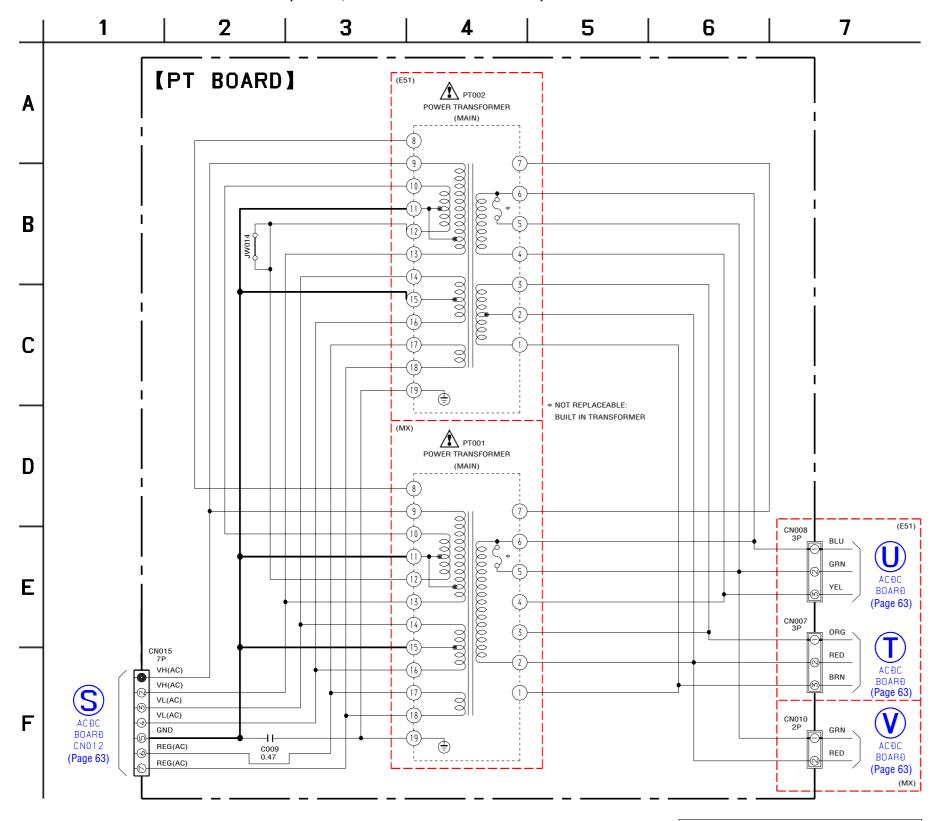
# 8-35. SCHEMATIC DIAGRAM - PT Board (US, AEP and UK models) -



The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

PT001 (MX) (E51) (Page 62)
ACDC BOARD (Page 62)
ACDC BOARD 【PT BOARD】 | デ 0 19 \* NOT REPLACEABLE: BUILT IN TRANSFORMER PT002 2 CN010 O CN007 BRN RED T \* NOT REPLACEABLE: BUILT IN TRANSFORMER ORG ACDC BOARD (Page 62) 1 PT001 (MX) PT002 (E51) POWER TRANSFORMER (MAIN) -(S) ACDC 0 **BOARD** CN012 0 (Page 62) ⊛\_\_\_\_\_€ JW014 JW010 C009 11 (11)

# 8-37. SCHEMATIC DIAGRAM - PT Board (Chilean, Peruvian and Mexican models) -



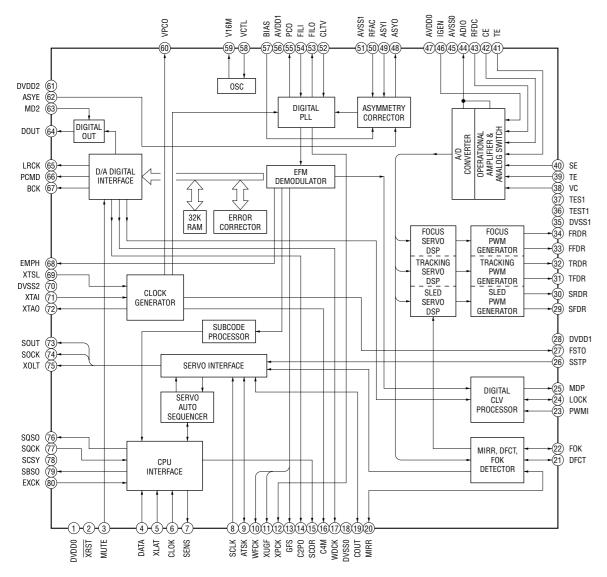
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

# CX-BK1

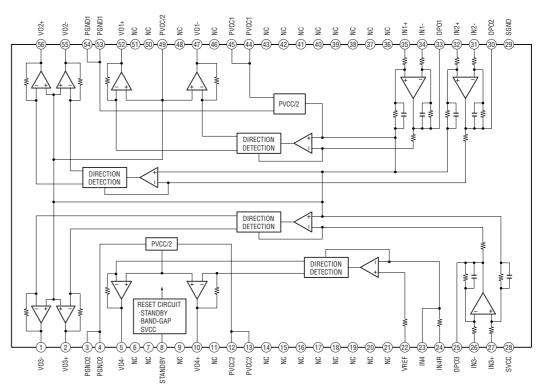
### • IC Block Diagrams

- BD Board -

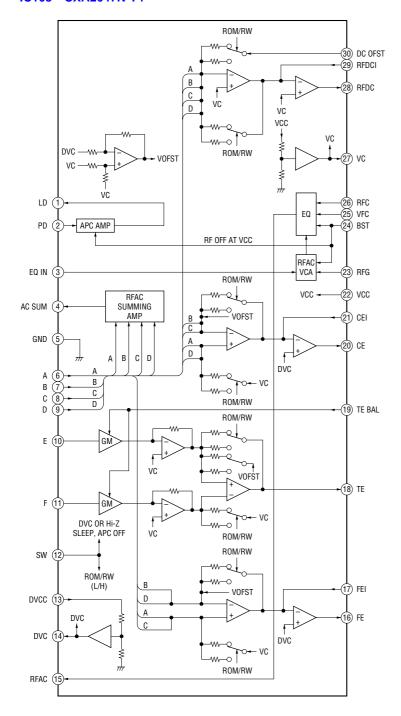
### IC101 CXD3068Q



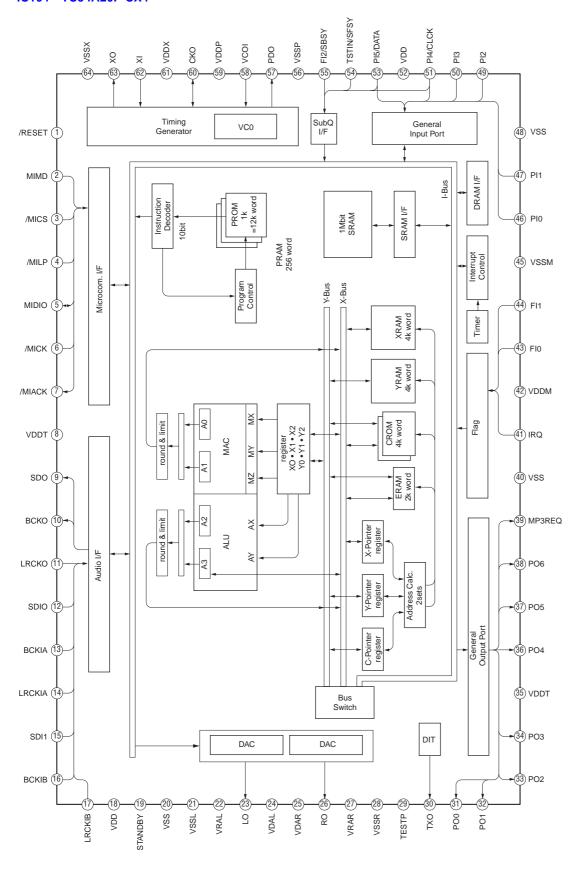
# IC102 AN41020A



# IC103 CXA2647N-T4

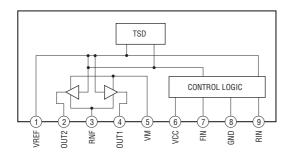


### IC104 TC94A20F-CX4



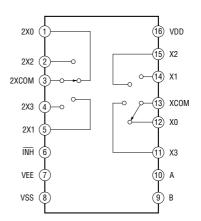
#### - CONNECTOR Board -

#### IC701, 711, 721 BA6956AN

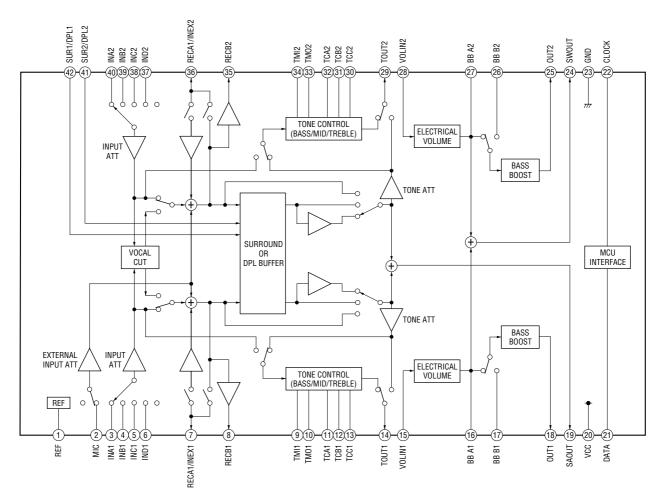


#### - MAIN Board -

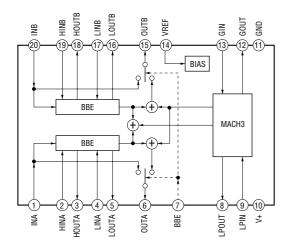
#### IC501 BU4052BCF-E2



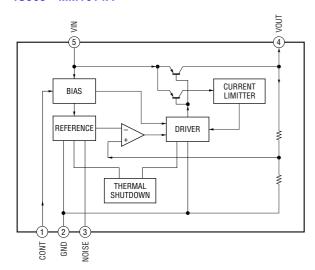
#### IC601 M61529FP-D60G



### IC603 NJM2156M (TE2)



#### IC905 MM1614A



### 8-38. IC PIN FUNCTION DESCRIPTION

### • BD BOARD IC101 CXD3068Q (DIGITAL SERVO, DIGITAL SERVO PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	DVDD0	_	Power supply terminal (+3.3V) (digital system)
2	XRST	I	Reset signal input from the system controller "L": reset
3	MUTE	I	Muting on/off control signal input terminal "H": muting on Not used
4	DATA	I	Serial data input from the system controller
5	XLAT	I	Serial data latch pulse signal input from the system controller
6	CLOK	I	Serial data transfer clock signal input from the system controller
7	SENS	О	Internal status (SENSE) signal output to the system controller
8	SCLK	I	SENSE serial data reading clock signal input from the system controller
9	ATSK	I/O	Input/output terminal for anti-shock Not used
10	WFCK	О	Write frame clock signal output terminal Not used
11	RFCK	О	RFCK signal output terminal Not used
12	XPCK	О	XPCK signal output terminal Not used
13	GFS	О	Guard frame sync signal output terminal Not used
14	C2PO	О	C2 pointer signal output terminal Not used
15	SCOR	О	Subcode sync (S0+S1) detection signal output to the system controller
16	C4M	О	4.2336 MHz clock signal output terminal Not used
17	WDCK	О	Guard subcode sync (S0+S1) detection signal output terminal Not used
18	DVSS0	_	Ground terminal (digital system)
19	COUT	О	Numbers of track counted signal output terminal Not used
20	MIRR	О	Mirror signal output terminal Not used
21	DFCT	I/O	Defect signal input/output terminal Not used
22	FOK	О	Focus OK signal output terminal Not used
23	PWMI	I	Spindle motor external control signal input terminal Not used
24	LOCK	О	GFS is sampled by 460 Hz "H" output when GFS is "H" Not used
25	MDP	О	Spindle motor servo drive signal output to the motor/coil drive IC
26	SSTP	I	Detection signal input from limit in switch The optical pick-up is inner position when "H"
27	FSTO	О	2/3 divider output terminal Not used
28	DVDD1		Power supply terminal (+3.3V) (digital system)
29	SFDR	О	Sled servo drive PWM signal (+) output terminal
30	SRDR	О	Sled servo drive PWM signal (–) output terminal
31	TFDR	О	Tracking servo drive PWM signal (+) output terminal
32	TRDR	О	Tracking servo drive PWM signal (–) output terminal
33	FFDR	О	Focus servo drive PWM signal (+) output terminal
34	FRDR	О	Focus servo drive PWM signal (–) output terminal
35	DVSS1		Ground terminal (digital system)
36	TEST	I	Input terminal for the test
37	TES1	I	Input terminal for the test
38	VC	I	Middle point voltage (+1.65V) input terminal
39	FE	I	Focus error signal input from the RF amplifier
40	SE	I	Sled error signal input from the RF amplifier
41	TE	I	Tracking error signal input from the RF amplifier
42	CE	I	Middle point servo analog signal input
43	RFDC	I	RF signal input from the RF amplifier
44	ADIO	0	Output terminal for the test Not used
45	AVSS0	_	Ground terminal (analog system)

Pin No.	Pin Name	I/O	Description
46	IGEN	I	Stabilized current input for operational amplifiers
47	AVDD0	_	Power supply terminal (+3.3V) (analog system)
48	ASYO	О	EFM full-swing output terminal
49	ASYI	I	Asymmetry comparator voltage input terminal
50	RFAC	I	EFM signal input from the RF amplifier
51	AVSS1	_	Ground terminal (analog system)
52	CLTV	I	Internal VCO control voltage input terminal
53	FILO	О	Filter output for master PLL
54	FILI	I	Filter input for master PLL
55	PCO	О	Charge pump output for master PLL
56	AVDD1		Power supply terminal (+3.3V) (analog system)
57	BIAS	I	Asymmetry circuit constant current input terminal
58	VCTL	I	VCO control voltage input terminal for the wideband EFM PLL Not used
59	V16M	О	VCO oscillation output terminal for the wideband EFM PLL Not used
60	VPCO	О	Charge pump output terminal for the wideband EFM PLL Not used
61	DVDD2	_	Power supply terminal (+3.3V) (digital system)
62	ASYE	I	Asymmetry circuit on/off control signal input terminal "L": off, "H": on Not used
63	MD2	I	Digital out on/off control signal input terminal "L": digital out off, "H": digital out on Fixed at "H" in this set
64	DOUT	О	Digital audio signal output terminal
65	LRCK	О	L/R sampling clock signal (44.1 kHz) output to the MP3 decoder
66	PCMD	О	Serial data output to the MP3 decoder
67	BCLK	О	Bit clock signal (2.8224 MHz) output to the MP3 decoder
68	ЕМРН	О	"L" is output when playback disc is emphasis off "H" is output when playback disc is emphasis on Not used
69	XTSL	I	Input terminal for the system clock frequency setting "L": 16.9344 MHz, "H": 33.8688MHz Fixed at "H" in this set
70	DVSS2	_	Ground terminal (digital system)
71	XTAI	I	System clock input terminal (33.8688 MHz)
72	XTAO	О	System clock output terminal (33.8688 MHz) Not used
73	SOUT	О	Serial data output terminal Not used
74	SOCK	О	Serial data reading clock signal output terminal Not used
75	XOLT	О	Serial data latch pulse signal output terminal Not used
76	SQSO	О	Subcode Q data output to the system controller
77	SQCK	I	Subcode Q data reading clock signal input from the system controller
78	SCSY	I	Input terminal for resynchronism of guard subcode sync (S0+S1) Not used
79	SBSO	О	Subcode serial data output terminal Not used
80	EXCK	I	Subcode serial data reading clock signal input terminal Not used

### • MAIN BOARD IC901 uPD703260YGF-S04-JBT-A (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	RDS_SIG	I	Tuning signal level input from the RDS decoder Used for the AEP, UK models
2	RDS_DATA	I	Serial data input from the RDS decoder Used for the AEP, UK models
3	AVREF0		Reference voltage (+3.1V) input terminal
4	AVSS		Ground terminal
5	MICS	О	Chip select signal output to the MP3 decoder
6	DO	I	Serial data input from the tuner unit
7	AVREF1	_	Power supply terminal (+3.1V)
8	STEREO	I	Stereo detection signal input from the tuner unit
9	TUNE	I	Tuner tuned status signal from the tuner unit
10	FLMD0		Not used
11	VDD	_	Power supply terminal (+3.1V)
12	REGC		Connected to the external capacitor
13	VSS		Ground terminal
14	X1	I	Main system clock input terminal (5MHz)
15	X2	О	Main system clock output terminal (5MHz)
16	RESET	I	Reset signal input from the reset signal generator "L": reset
17	XT1	I	Sub system clock input terminal (32.768kHz)
18	XT2	О	Sub system clock output terminal (32.768kHz)
19	MP3RST	О	System reset signal output to the MP3 decoder
			Clock signal input from the RDS decoder
20	RDS_CLK	I	Microphone detect signal input terminal Used for the AEP, UK, Chilean, Peruvian models
21	SCOR	I	SCOR signal input from the digital signal processor
22	CAN'T_USE	1	Not used
23	RMC		Remote control signal input from the remote control receiver
24	USB_DATA	I/O	I2C data input/output with the USB interface IC
25	USB_CLK	I/O	I2C clock signal input/output to the USB interface IC
26	DECK_PLAYSW	I	PLAY switch signal input from the tape mechanism deck
27	DECK_ENDSW	I	END switch signal input from the tape mechanism deck
28	DECK_PACK	I	PACK switch signal input from the tape mechanism deck
29	DECK_FREC	I	Record protect detect switch signal input from the tape mechanism deck (front)
30	DECK_RREC	I	Record protect detect switch signal input from the tape mechanism deck (rear)
31	USB_ACK	I	Acknowledge signal input from the USB interface IC
32	USB_INT	I	Interrupt request signal input from the USB interface IC
33	USB_VBUS_ON	0	VBUS control signal output terminal
34	STBY	0	Standby LED control signal output terminal
35	EVSS		Ground terminal
36	EVDD		Power supply terminal (+3.1V)
37	MIACK	I	Acknowledge signal input from the MP3 decoder
38	MP3STB	О	Strobe signal output to the MP3 decoder
39	MUTE	О	Muting control signal output to power amplifier circuit
40	POWER	0	Main power control signal output terminal
41	POWER_DOWN	I	Power down detection signal input terminal
42	HEADPHONE	I	Headphone detection signal input "L": headphone on
43	SHIFT_CLK	О	Serial data transfer clock signal output to the shift register

45 46 47 48	SHIFT_DATA SHIFT_STB PLLCE	0	Serial data output to the shift register
46 47 48		0	
47 48	PLLCE	_	Strobe signal output to the shift register
48		О	Latch signal output to the tuner unit
	PWM1	О	PWM signal output for focus offset adjustment
	MCLK	О	Serial data transfer clock signal output to the tuner unit and input select IC
49	PWM3	О	PWM signal output for RF offset adjustment
50	MDATA	О	Serial data output to the tuner unit and input select IC
51	PWM2	О	PWM signal output for tracking offset adjustment
52	DATA	О	Serial data output to the digital signal processor
53	LCD_DATA	О	Serial data output to the LCD driver
54	LCD_CLK	О	Serial data transfer clock output to the LCD driver
55	CLOCK	О	Serial data transfer clock output to the digital signal processor
56	SQSO	I	Sub-Q data input from the digital signal processor
57	SQCK	О	Sub-Q clock output to the digital signal processor
58	SENS	I	SENS signal input from the digital signal processor
59	LDON	О	Laser diode on/off control signal output to the automatic power control circuit "H": laser on
60	XLT	О	Control data latch signal output to the digital signal processor
61	XRST	О	System reset signal output to the digital signal processor and motor/coil drive IC
62	MICK	О	Serial data transfer clock signal output to the MP3 decoder
63	LCD_CE	О	Latch signal output to the LCD driver
64	MIDIO	I/O	Serial data input/output to/form the MP3 decoder
65	MP3REQ	О	Request signal output to the MP3 decoder
66	MILP	О	Latch pulse signal output to the MP3 decoder
67	ELV_E2	I	ELV_E2 switch signal input from the CD mechanism
68	ELV_E3	I	ELV_E3 switch signal input from the CD mechanism
69	ELV_E1	I	ELV_E1 switch signal input from the CD mechanism
70	SLD_E3	I	SLD_E3 switch signal input from the CD mechanism
71	BVSS	_	Ground terminal
72	BVDD	_	Power supply terminal
73	SLD_E1	I	SLD_E1 switch signal input from the CD mechanism
74	SW5-B	I	SW4 switch signal input from the CD mechanism
75	ELV_POS	О	Elevator motor control signal output for the CD mechanism
76	SLD_POS	O	Loading motor control signal output for the CD mechanism
77	LOD_POS	О	Sled motor control signal output for the CD mechanism
78	SW4	I	SW5-B switch signal input from the CD mechanism
79	SW2-A	I	SW2-A switch signal input from the CD mechanism
80	SW3	I	SW3 switch signal input from the CD mechanism
81	D_SENSOR	I	Disc sensor signal input from the CD mechanism
82	SW1-A	I	SW1-A switch signal input from the CD mechanism
83	SW2-B	I	SW2-B switch signal input from the CD mechanism
84	SW5-A	I	SW5-A switch signal input from the CD mechanism
85	LOD_NEG	O	Sled motor control signal output for the CD mechanism
86	SLD_NEG	О	Loading motor control signal output for the CD mechanism
87	ELV_NEG	О	Elevator motor control signal output for the CD mechanism
88	SLD_E0	I	SLD_E0 switch signal input from the CD mechanism
89	SLD_E2	I	SLD_E2 switch signal input from the CD mechanism

Pin No.	Pin Name	I/O	Description				
90	ELV_E0	I	ELV_E0 switch signal input from the CD mechanism				
91	RE_TRE	I	og dial pulse input from the rotary encoder (TREBLE/MIDDLE)				
92	RE_BAS	I	og dial pulse input from the rotary encoder (BASS)				
93	RE_VOL	I	og dial pulse input from the rotary encoder (VOLUME)				
94	RE_JOG	I	Jog dial pulse input from the rotary encoder (MULTIJOG)				
95	KEY3	I	Key input terminal (A/D input)				
96	KEY2	I	Key input terminal (A/D input)				
97	KEY1	I	Key input terminal (A/D input)				
98	POWER_MONI	I	Voltage detection signal input terminal				
99	LEVEL	I	Level mater signal input terminal				
100	SUFIX	I	Destination setting input terminal				

### • USB AUX BOARD IC700 uAC3553B (USB INTERFACE)

Pin No.	Pin Name	I/O	Description
1	XTI	I	System clock input terminal (12MHz)
2	XTO	О	System clock output terminal (12MHz)
3	AREG1	I	Connected to the external capacitor
4	AVSS_12	_	Ground terminal
5	OUTL	О	USB audio signal output terminal (L-ch)
6	OUTR	О	USB audio signal output terminal (R-ch)
7	AREG0	I	Connected to the external capacitor
8	AVDD	_	Power supply terminal (+5V)
9	DAI	I	Not used
10	WSI	I	Not used
11	CLI	I	Not used
12	INT_DATA	О	Interrupt request signal output to the USB interface IC
13	ACK	О	Acknowledge signal output to the USB interface IC
14 to 19	NC	_	Not used
20	SDA	I/O	I2C data input/output with the system controller
21	SCL	I/O	I2C clock signal input/output to the system controller
22	TRDY	I	Not used
23	VREG	I	Connected to the external capacitor
24	VBUS	I	USB connect detection signal input terminal
25	D–	I	USB data (-) input terminal
26	D+	I	USB data (+) input terminal
27	VSS	_	Ground terminal
28	VDD	_	Power supply terminal (+5V)
29	TEST	I	For test terminal
30	REST	I	Not used
31	SUSPEND	I	Not used
32	SOF	I	Not used
33	SEN	I	Not used
34	FOUTL	О	USB audio signal output terminal (L-ch)
35	FOPL	I	Not used
36	FINL	О	USB audio signal input terminal (L-ch)
37	FOUTR	О	USB audio signal output terminal (R-ch)
38	FOPR	I	Not used
39	FINR	О	USB audio signal input terminal (R-ch)
40, 41	NC	_	Not used
42	SGND	_	Ground terminal
43	SREF	I	Not used
44	NC	I	Not used

# SECTION 9 EXPLODED VIEWS

#### NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one
- Color Indication of Appearance Parts Example:

KNOB, BALANCE (WHITE) . . . (RED)

↑ 

Parts Color Cabinet's Color

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Tape deck is not loaded in US model.
   The shape of the top panel shown in "EX-PLODED VIEWS" is different from the actual shape.

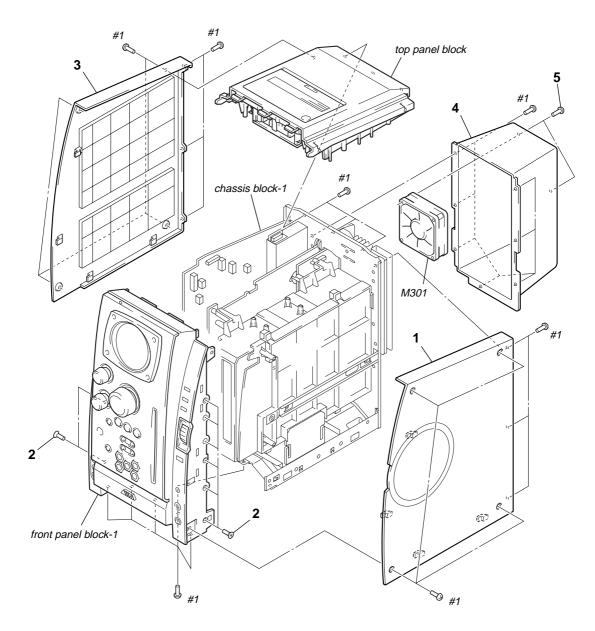
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

Abbreviation

E51 : Chilean and Peruvian models

MX : Mexican model

#### 9-1. PANEL SECTION

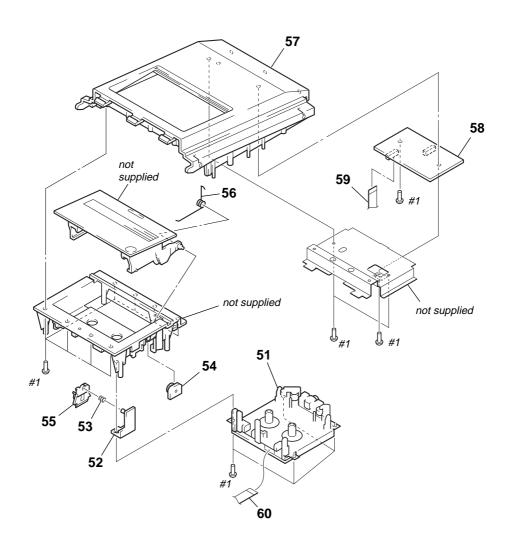


Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
1	4-245-038-01	PANEL, RIGHT (US)		4	4-245-039-11	COVER, REAR (E51)	
1	4-245-038-11	PANEL, RIGHT (AEP, UK, E51, MX)		4	4-245-039-21	COVER, REAR (AEP, UK)	
2	4-242-531-01	QT2+3-10 TYPE2 IT-3		4	4-245-039-31	COVER, REAR (MX)	
3	4-245-073-01	PANEL (LEFT) (US)		5	4-951-620-01	SCREW (2.6X8), +BVTP	
3	4-245-073-11	PANEL (LEFT) (AEP, UK, E51, MX)		M301	1-763-072-11	FAN, DC	
4	4-245-039-01	COVER, REAR (US)		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

#### 9-2. TOP PANEL BLOCK

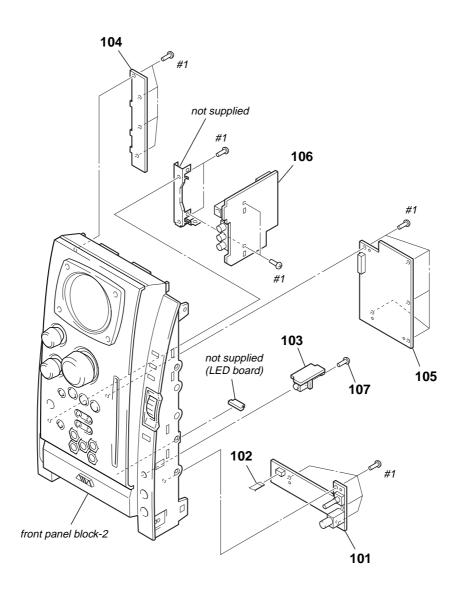
Note: Tape deck is not loaded in US model.

The shape of the top panel shown in "EXPLODED VIEWS" is different from the actual shape.



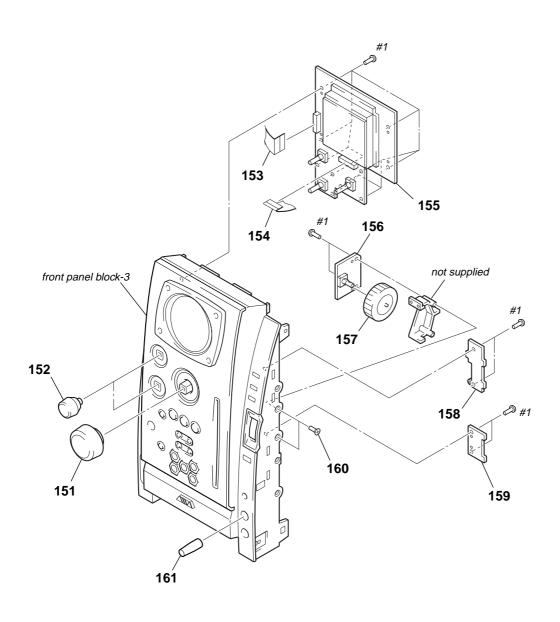
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
51	1-796-351-61	MECHANISM, SIGNAL CASSETTE		57	4-245-072-01	PANEL, TOP (US)	
		(CMAL1Z241A) (E	XCEPT US)	57	4-245-072-11	PANEL, TOP (EXCEPT US)	
52	4-242-174-01	HLDR, LOCK 1 (EXCEPT US)		58	A-4733-420-A	DECK BOARD, COMPLETE (E	EXCEPT US)
53	4-242-173-01	SPR-C, LOCK (EXCEPT US)		59	1-765-326-11	WIRE (FLAT TYPE) (11 CORE	E) (EXCEPT US)
54	4-242-171-01	DAMPER 150 N (EXCEPT US)		60	1-827-677-11	WIRE (FLAT TYPE) (8 CORE)	(EXCEPT US)
55	4-242-172-01	PLATE, LOCK (EXCEPT US)				, , , ,	,
		,		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2	IT-3
56	4-247-458-01	SPRING (CASS), TORSION (EXCEPT	US)				

#### 9-3. FRONT PANEL BLOCK-1



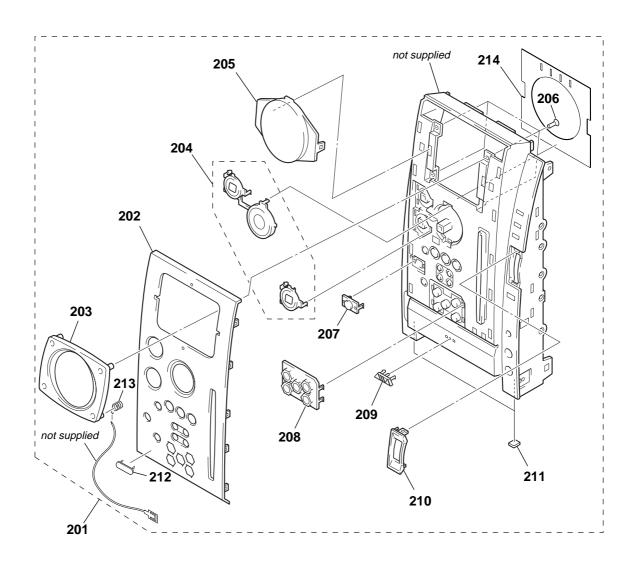
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
101	A-4733-419-A	MIC BOARD, COMPLETE (E51, MX)		105	A-4733-395-A	KEY LED RMC BOARD, COMPLETE	
102	1-769-869-11	WIRE (FLAT TYPE) (5 CORE) (E51, N	MX)	106	A-4733-399-A	USB AUX BOARD, COMPLETE	
103	1-688-414-11	HEADPHONE BOARD		107	3-229-336-01	SCREW, +BVWH TAPPING	
104	1-688-407-11	LEFT BUTTON BOARD		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

### 9-4. FRONT PANEL BLOCK-2



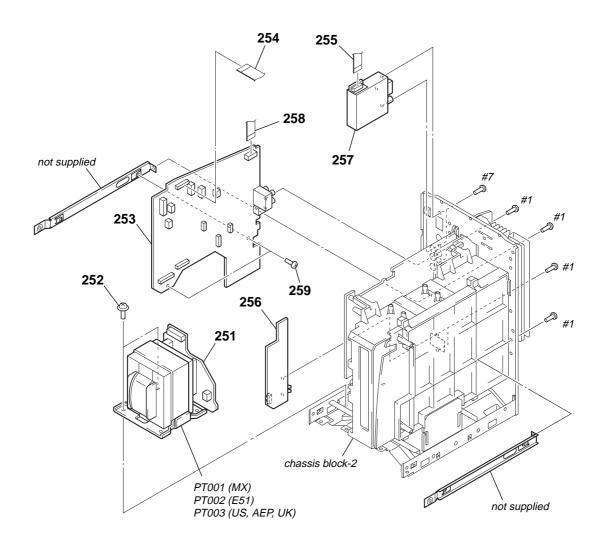
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
151	X-4955-595-1	VOL ASSY, KNOB RTRY		157	4-245-101-01	KNOB (JOG), ROTARY	
152	X-4955-596-1	TRE ASSY, KNOB RTRY		158	1-688-408-11	RIGHT BUTTON (1) BOARD	
153	1-773-115-11	WIRE (FLAT TYPE) (19 CORE)		159	1-688-409-11	RIGHT BUTTON (2) BOARD	
154	1-773-156-11	WIRE (FLAT TYPE) (21 CORE)		160	4-242-531-01	QT2+3-10 TYPE2 IT-3	
155	A-4733-394-A	LCD VOL BOARD, COMPLETE		161	4-245-089-01	KNOB (MIC), ROTARY (E51, MX)	
156	1-688-413-11	JOG BOARD		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

### 9-5. FRONT PANEL BLOCK-3



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	<u>Remark</u>
201	X-4955-409-2	CABI, FR ASSY (US)		207	4-245-088-01	WINDOW, SENSOR	
201	X-4955-727-2	CABINET (FRONT) ASSY (E51, MX)		208	4-245-094-01	PANEL, CD DIRECT	
201	X-4955-728-2	CABINET (FRONT) ASSY (AEP, UK)		209	4-245-158-01	EMBLEM	
202	4-245-075-01	PANEL, FRONT (US)		210	4-245-077-01	PANEL (JOB)	
202	4-245-075-11	PANEL, FRONT (AEP, UK, E51, MX)		211	4-242-091-01	CUSHION	
203	X-4955-408-1	PANEL,DISP ASSY		212	4-246-682-01	EMBLEM (30), MP3	
204	4-245-098-01	REFLECTOR (VOL)		213	4-250-402-01	SPRING (PANEL), GROUND	
205	4-245-078-01	WINDOW, DISPLAY		214	2-249-914-01	SHEET, INSULATED	
206	4-242-531-01	QT2+3-10 TYPE2 IT-3		#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

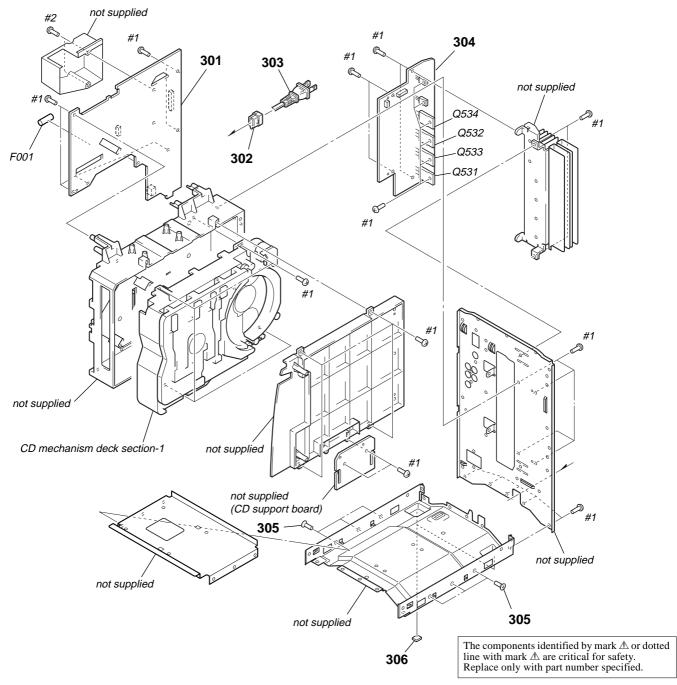
#### 9-6. CHASSIS BLOCK-1



The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

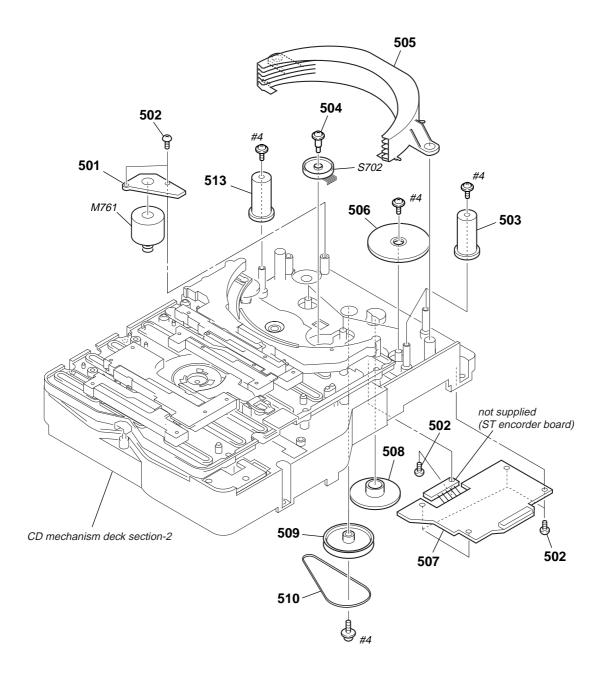
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
251	1-688-417-11	PT BOARD (US, AEP, UK)		257	1-693-626-11	TUNER (FM/AM) (AEP, UK)	
251	1-688-421-11	PT BOARD (E51, MX)		257	1-693-628-11	TUNER (FM/AM) (E51, MX)	
252	4-242-527-01	S-SCREW, ITC+4-8 R		258	1-769-944-11	WIRE (FLAT TYPE) (11 CORE)	
253	A-4733-389-A	MAIN BOARD, COMPLETE (US)		259	4-242-519-01	BVT2+3-6 W/O SLOT	
253	A-4733-423-A	MAIN BOARD, COMPLETE (E51, MX)		<b>⚠</b> PT001	1-439-796-11	TRANSFORMER, POWER (MX)	
253	A-4733-440-A	MAIN BOARD, COMPLETE (AEP, UK)		<b>⚠</b> PT002	1-439-795-11	TRANSFORMER, POWER (E51)	
254	1-765-334-11	WIRE (FLAT TYPE) (17 CORE)		<b>⚠</b> PT003	1-439-794-11	TRANSFORMER, POWER (US)	
255	1-769-943-11	WIRE (FLAT TYPE) (11 CORE) (US, ES	51, MX)	<b>⚠ PT003</b>	1-439-797-11	TRANSFORMER, POWER (AEP, UK)	
255	1-773-007-11	WIRE (FLAT TYPE) (15 CORE) (AEP, U	JK)	#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
256	1-688-419-11	SPEAKER BOARD		#7	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
257	1-693-625-11	TUNER (FM/AM) (US)					

#### 9-7. CHASSIS BLOCK-2



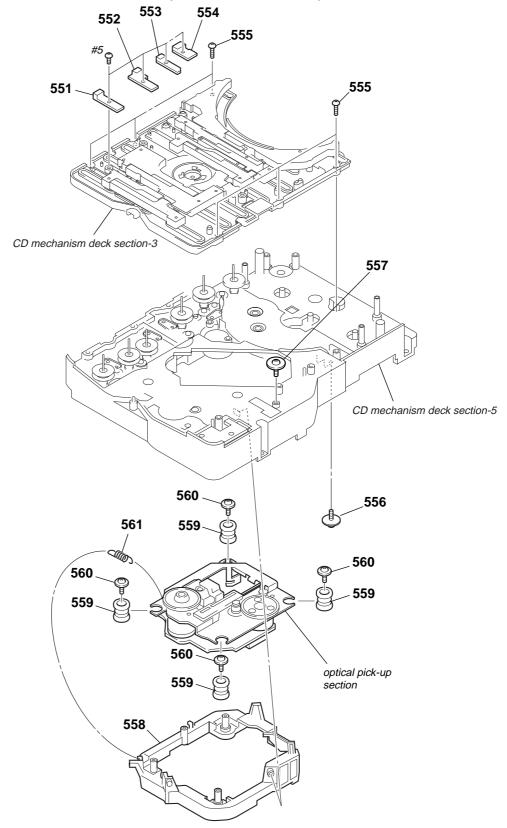
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
301		ACDC BOARD, COMPLETE (US)		<b> ∆</b> F001	1-533-472-11	FUSE, GLASS TUBE (DIA. 5) (5A/25	0V)
301		ACDC BOARD, COMPLETE (E51)					(E51, MX)
301	A-4733-430-A	ACDC BOARD, COMPLETE (MX)		Q531	6-550-291-01	TRANSISTOR FN1016 (AEP, UK)	
301	A-4733-432-A	ACDC BOARD, COMPLETE (AEP, UK)		Q531	6-550-320-01	TRANSISTOR 2SD2562 (E51, MX)	
* 302	3-703-244-00	BUSHING (2104), CORD (US, AEP, UI	K, E51)	Q531	8-729-020-52	TRANSISTOR 2SD2439-OPY (US)	
				Q532	6-550-291-01	TRANSISTOR FN1016 (AEP, UK)	
302	3-703-571-11	BUSHING (S) (4516), CORD (MX)					
<b>△</b> 303	1-777-071-83	CORD, POWER (AEP, UK, E51)		Q532	6-550-320-01	TRANSISTOR 2SD2562 (E51, MX)	
<b> ∆</b> 303	1-783-532-11	CORD, POWER (US)		Q532	8-729-020-52	TRANSISTOR 2SD2439-OPY (US)	
<b>∆</b> 303	1-827-226-11	CORD, POWER (MX)		Q533	6-550-292-01	TRANSISTOR FP1016 (AEP, UK)	
304	A-4733-393-A	AMP BOARD, COMPLETE (US)		Q533	6-550-319-01	TRANSISTOR 2SB1649 (E51, MX)	
		, ,		Q533	8-729-020-48	TRANSISTOR 2SB1588-OPY (US)	
304	A-4733-415-A	AMP BOARD, COMPLETE (E51, MX)				` ,	
304	A-4733-434-A	AMP BOARD, COMPLETE (AEP, UK)		Q534	6-550-292-01	TRANSISTOR FP1016 (AEP, UK)	
305	4-242-530-01	QT2+3-8 W/O SLOT		Q534		TRANSISTOR 2SB1649 (E51, MX)	
306	4-242-091-01	CUSHION		Q534	8-729-020-48	TRANSISTOR 2SB1588-OPY (US)	
<b> ∆</b> F001	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125	V) (US)	#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
		, ( -, (	, ( ')	#2	7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3	

### 9-8. CD MECHANISM DECK SECTION-1 (CDM69BV-30CBD64NS)



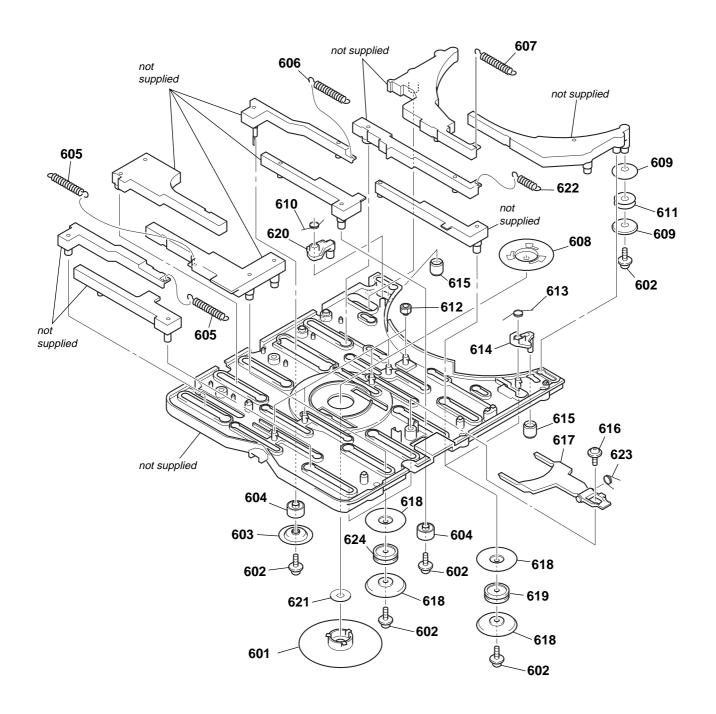
Ref. No.	Part No.	<u>Description</u>	Remark	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
501	1-686-725-12	STOCKER MOTOR BOARD		508	4-239-689-01	GEAR (STOCKER DECELERATION)	
502	4-951-620-01	SCREW (2.6X8), +BVTP		509	4-239-683-01	PULLEY (MODE DECELERATION)	
503	4-239-690-01	CAM (STOCKER U/D)		510	4-211-237-01	BELT (MODE)	
504	4-239-618-01	SCREW (+PWH,2X6), STEP TAPPING		513	4-244-764-01	CAM (STOCKER V)	
505	4-239-676-01	STOCKER		M761	A-4735-953-A	MOTOR ASSY (STOCKER)	
506	4-239-687-01	GEAR (STOCKER COMMUNICATION)		S702	1-477-299-11	ENCODER, ROTARY (STOCKER POSI	TION)
507		CONNECTOR BOARD, COMPLETE		#4		SCREW +PTPWH 2.6X8 (TYPE2)	,

### 9-9. CD MECHANISM DECK SECTION-2 (CDM69BV-30CBD64NS)



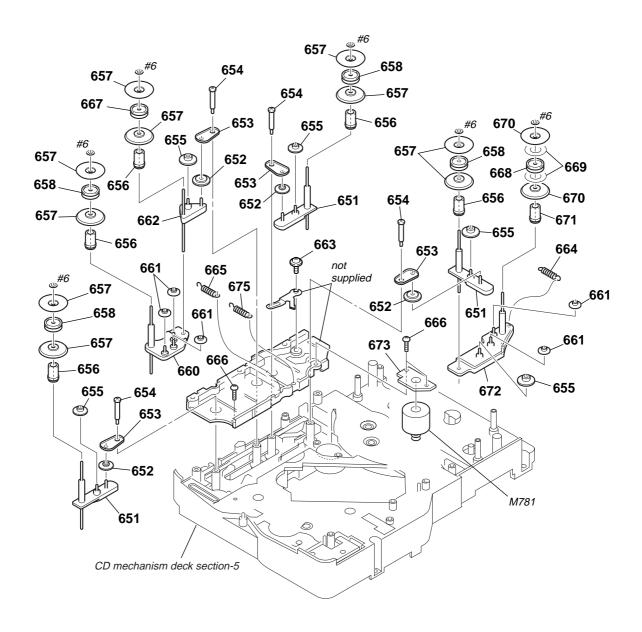
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
551	1-686-727-12	SW (1) BOARD		557	4-227-899-01	SCREW (DIA,12), FLOATING	
552	1-686-728-12	SW (2) BOARD		558	4-243-716-01	HOLDER (BU-30)	
553	1-686-729-12	SW (3) BOARD		559	4-234-824-01	RUBBER, VIBRATION PROOF	
554	1-686-730-12	SW (4) BOARD		560	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
555	4-951-620-01	SCREW (2.6X8), +BVTP		261	4-244-960-02	SPRING (BU30-1), TENSION	
556	4-985-672-01	SCREW (+PTPWHM 2.6), FLOATING		#5	7-685-533-14	SCREW +BTP 2.6X6 TYPE2 N-S	

### 9-10. CD MECHANISM DECK SECTION-3 (CDM69BV-30CBD64NS)



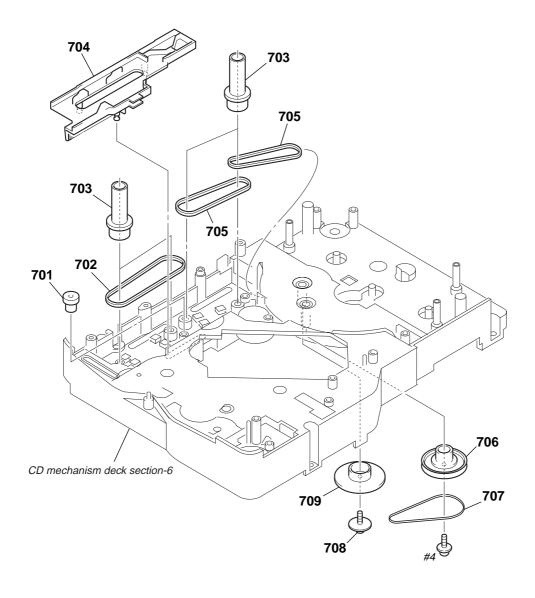
Ref. No.	Part No.	Description	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
601	X-4955-447-1	PULLEY (A)(BU30) ASSY,CHUCKING		613	4-243-291-01	SPRING, TORSION	
602	4-992-069-01	SCREW (+PTPWH) (M2) (DIA. 7)		614	4-240-039-01	LEVER (DISC STOPPER)	
603	4-239-648-01	PARASOL (ROLLER)		615	4-239-702-01	ROLLER (DISC STOPPER)	
604	4-239-646-01	ROLLER (ROLLER)		616	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
605	4-239-641-01	SPRING (1.2), TENSION		617	4-243-713-01	LEVER (LIFTER)	
606	4-239-642-01	SPRING (3), TENSION COIL		618	4-239-647-01	PARASOL (MAIN)	
607	4-239-679-01	SPRING (5), TENSION COIL		619	4-243-916-01	ROLLER (S), RUBBER	
608	4-243-714-01	PULLEY (B) (BU30), CHUCKING		620	4-241-599-01	LEVER (SUPPORT)	
609	4-239-649-01	PARASOL (STOCKER)		621	4-228-414-01	BRACKET (YOKE)	
610	4-240-040-01	SPRING (DISC STOPPER), TORSION		622	4-239-643-01	SPRING (4), TENSION COIL	
611	4-244-035-01	ROLLER (STOCKER), RUBBER		623	4-243-914-01	SPRING (LIFTER), TORSION	
612	4-239-640-01	PINION (SLIDER)		624	4-244-032-01	ROLLER, RUBBER	

#### 9-11. CD MECHANISM DECK SECTION-4 (CDM69BV-30CBD64NS)



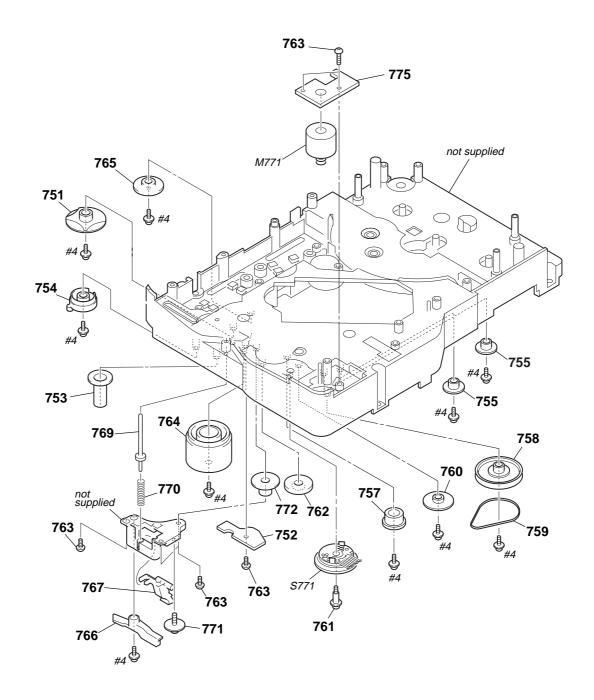
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
651	X-4954-626-1	LEVER (ROLLER) ASSY		665	4-240-041-01	SPRING (SLIDER 2), TENSION	
652	4-239-666-01	GEAR		666	4-951-620-01	SCREW (2.6X8), +BVTP	
653	4-239-668-01	LEVER (CENTER)		667	4-243-916-01	ROLLER (S), RUBBER	
654	4-239-652-01	SCREW (ROLLER), STEP		668	4-244-035-01	ROLLER (STOCKER), RUBBER	
655	4-239-669-01	GEAR (ROLLER COMMUNICATION)		669	4-241-209-01	SHEET, ADHESIVE	
656	4-239-667-01	GEAR (ROLLER CENTER)		670	4-239-649-01	PARASOL (STOCKER)	
657	4-239-647-01	PARASOL (MAIN)		671	4-239-671-01	GEAR (ROLLER 5 CENTER)	
658	4-244-032-01	ROLLER, RUBBER		672	X-4954-627-1	BASE (SLIDER 5) ASSY	
660	X-4954-622-1	BASE (SLIDER 2) ASSY		673	1-686-726-12	ROLLER MOTOR BOARD	
661	4-239-670-01	GEAR (ROLLER 5 COMMUNICATION)		675	4-244-162-01	SPRING (SLIDER 4), TENSION	
662	X-4954-624-A	LEVER (SLIDER 4) ASSY		M781	Δ-4735-953-Δ	MOTOR ASSY (ROLLER)	
663		SCREW (+PTPWH)(M2)(DIA. 7)		#6		WASHER 1.7. NYLON	
664		SPRING (BASE SLIDER 5), TENSION		" "	. 525 521 51		
		, -//		•			

### 9-12. CD MECHANISM DECK SECTION-5 (CDM69BV-30CBD64NS)



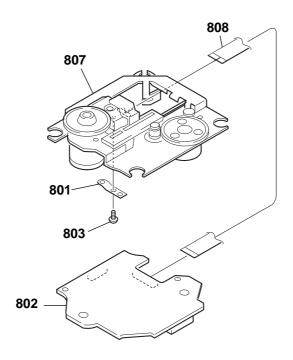
Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
701	4-240-020-01	GEAR (TIMING)		706	4-239-699-01	PULLEY	
702	4-239-708-02	BELT (FRONT), TIMING		707	4-247-349-02	BELT (ROLLER V)	
703	4-239-697-01	GEAR (CENTER)		708	4-227-899-01	SCREW (DIA. 12), FLOATING	
704	X-4955-157-1	SLIDER (MODE CAM V) ASSY		709	4-239-686-01	GEAR (ROLLER DECELERATION)	
705	4-239-706-02	BELT (REAR), TIMING		#4	7-685-902-21	SCREW +PTPWH 2.6X8 (TYPE2)	

### 9-13. CD MECHANISM DECK SECTION-6 (CDM69BV-30CBD64NS)



Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
751	4-239-693-02	CAM (GEAR)		764	4-239-692-02	CAM (BU U/D)	
752	1-686-723-12	SENSOR BOARD		765	4-239-694-01	GEAR (MODE CAM)	
753	4-239-696-01	GEAR (EJECT LOCK)		766	4-241-731-01	SHUTTER (A), LEVER	
754	4-239-695-02	CAM (EJECT LOCK)		767	4-241-732-01	SHUTTER (B), LEVER	
755	4-240-019-01	GEAR (MODE 5)		769	4-241-734-01	SHAFT (SHUTTER)	
757	4-243-682-01	GEAR (MODE C)		770	4-241-735-01	SPRING (SHUTTER), COMPRESSION	
758	4-239-683-01	PULLEY (MODE DECELERATION)		771	4-685-672-01	SCREW (DIA. 12), FLOATING	
759	4-243-702-01	BELT (MODE V)		772	4-243-680-01	GEAR (MODE A)	
760	4-243-683-01	GEAR (MODE D)		775	1-686-724-12	MODE MOTOR BOARD	
761	4-239-618-01	SCREW (+PWH,2X6), STEP TAPPING		M771	A-4735-953-A	MOTOR ASSY (MODE)	
762	4-243-681-01	GEAR (MODE B)		S771	1-477-300-11	ENCODER, ROTARY (MODE)	
763	4-951-620-01	SCREW (2.6X8), +BVTP		#4	7-685-902-21	SCREW +PTPWH 2.6X8 (TYPE2)	
		,		-		, , ,	

# 9-14. OPTICAL PICK-UP SECTION (BU-30CBD64NS)



The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
801 802 803	A-4731-674-A	SPRING (SLED), LEAF BD BOARD, COMPLETE SCREW (M1.7), TAPING		<b>1</b> 807 808		BU-30 (61) ASSY WIRE (FLAT TYPE)(16 CORE)	

### **SECTION 10 ELECTRICAL PARTS LIST**

#### NOTE:

- · Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- · -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS

All resistors are in ohms. METAL: Metal-film resistor.

METAL OXIDE: Metal oxide-film resistor.

F: nonflammable

• Abbreviation

E51 :Chilean and Peruvian models

MX : Mexiccan model

· Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

SEMICONDUCTORS

In each case, u:  $\mu$ , for example:

uA. . : μA. . uPB. . : μPB. . uPD. . : μPD. .  $uPA..: \mu PA..$  $uPC..: \mu PC..$ 

 CAPACITORS uF: μF

 COILS uH: μH The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board.

W12X . IV	rexicean moder									
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	<u>Description</u>		<u>Remark</u>
		ACDC BOARD, CO	MPI FTF (I	IS)				< TERMINAL >		
		ACDC BOARD, CO						\ TETUMINAL >		
		ACDC BOARD, CO				CLP007	1-537-933-31	TERMINAL		
		ACDC BOARD, CO								
		*****	******	,				< CONNECTOR >	>	
*	1_533_913_31	FUSE HOLDER (N	/IX)			* CN003	1-56/-516-11	PLUG, CONNECT	TOR 13P	
		FUSE HOLDER (L						PLUG, CONNECT		
	1 000 217 01	100211025211 (0	70, 201)						R (3.96mm PITCH) :	2P
		< CAPACITOR >							(**************************************	
0004	4 400 777 00	MANUA D	0.4 5	F0/	4001/			< DIODE >		
C001	1-130-777-00	MYLAR	0.1uF	5%	100V	D000	0.710.500.50	DIODE DOCDAG	O (LIC AED LIK)	
C002	1-130-777-00	MVIAD	0.1uF	(US, 5%	E51, MX) 100V	D002 D002		DIODE DESBAS	20 (US, AEP, UK) 204101 (E51, MX)	
6002	1-130-777-00	WITLAN	U.Tur		E51, MX)	D002			204101 (ES1, MX) 204101 (US, AEP, UK	`\
C003	1-130-777-00	MVI AR	0.1uF	5%	100V	D004		DIODE DIOXB2		1
C004	1-130-777-00		0.1uF	5%	100V	D004		DIODE 1SS184		
C007	1-130-777-00		0.1uF	5%	100V	D000	0 713 001 70	DIODE 100104	ILUUL	
0007	1 100 777 00	WITE/UIT	o. rui	0 70	1001	D006	8-719-820-05	DIODE 1SS181	-TF85I	
C008	1-130-777-00	MYI AR	0.1uF	5%	100V	D007			)L-6349 (US, E51, M	X)
C010	1-126-943-11		2200uF	20%	25V	D008			)L-6349 (US, E51, M	
00.0	20 0 .0				E51, MX)	D009			)L-6349 (US, E51, M	
C011	1-119-940-51	ELECT	4700uF	20%	50V	D010			)L-6349 (US, E51, M	
					(E51, MX)				, , ,	,
C011	1-126-955-11	ELECT	4700uF	20%	35V	D023		DIODE 1SS355		
				(US	, AEP, UK)	D111	8-719-988-61	DIODE 1SS355	TE-17	
C012	1-119-940-51	ELECT	4700uF	20%	50V	D112	8-719-820-05	DIODE 1SS181	-TE85L	
					(E51, MX)	D113		DIODE 1SS184		
						D114	8-719-801-78	DIODE 1SS184	-TE85L	
C012	1-126-955-11	ELECT	4700uF	20%	35V					
				•	, AEP, UK)	D115		DIODE 1SS181		
C015	1-127-814-11	ELECT	3300uF	20%	80V	D116		DIODE 1SS184		
0015	4 405 540 44	EL EOT	0000 5		(E51, MX)	D117		DIODE 1SS181		
C015	1-135-516-11	ELECT	3300uF	20%	63V	D118		DIODE 1SS355		
C015	1 105 517 11	ELECT	2200E		(AEP, UK) 71V	D139	8-719-801-78	DIODE 1SS184	-1E85L	
6015	1-135-517-11	ELEUI	3300uF	20%	(US)	D140	9_710_920_05	DIODE 1SS181	_TEQ51	
C016	1-127-814-11	FLECT	3300uF	20%	80V	D140	0-719-020-03	DIODE 133101	-11001	
0010	1-127-014-11	LLLOI	JJUUUI		(E51, MX)			< GROUND TERI	MINAL >	
					(201, 11171)			CONTROLLER		
C016	1-135-516-11	ELECT	3300uF	20%	63V	* EP001	1-537-738-21	TERMINAL. EAR	TH	
					(AEP, UK)					
C016	1-135-517-11	ELECT	3300uF	20%	71V /			< TRANSFORME	:R >	
					(US)					
C029	1-126-941-11	ELECT	470uF	20%	25V	<b>⚠</b> PT005	1-439-736-11	TRANSFORMER	, POWER (E51)	
C120	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V	<b>⚠</b> PT006	1-439-734-11	TRANSFORMER	, POWER (US)	
C121	1-126-964-11	ELECT	10uF	20%	50V	<b>⚠</b> PT006		TRANSFORMER		
						<b>⚠</b> PT006	1-439-735-11	TRANSFORMER	, POWER (AEP. UK)	
C122	1-126-963-11		4.7uF	20%	50V					
C123	1-126-957-11		0.22uF	20%	50V			< TRANSISTOR	>	
C124	1-126-947-11	ELECT	47uF	20%	25V		0.700 :00 5	TD 411010707	00000505 71 / 5	
						Q101	8-729-120-28	TRANSISTOR	2SC3052F-T1-LF	

# ACDC AMP

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			<u>Remark</u>
Q102		TRANSISTOR	2SC3052I			R157	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
Q103		TRANSISTOR	2SC3052								(US)
Q104		TRANSISTOR	2SA1235			R157	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
Q105	6-550-580-01	TRANSISTOR	2SA1235	TP-1F							(AEP, UK)
Q106	8-729-120-28	TRANSISTOR	2SC3052	F-T1-LF				< RELAY >			
Q107		TRANSISTOR	2SC3052								
Q108		TRANSISTOR	2SC3052I			<b>⚠</b> RY001		RELAY, POWER	EXCEPT E5	1)	
Q109	8-729-120-28	TRANSISTOR	2SC3052I	F-T1-LF		<b>△</b> RY502	1-755-496-11	RELAY (E51)			
		< RESISTOR >						< SWITCH >			
<b> ≜</b> R001	1-202-723-00	SOLID	2.2M	20%	1/2W F (US)	<b></b> ∆S001	1-786-408-11	SW, SL 1-2-3 SV	VS2301 (VO	LTAGE S	ELECTOR) (E51)
R101	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	*******	*********	******	******	*****	
R102	1-216-833-11		10K	5%	1/10W						
R103	1-216-809-11	METAL CHIP	100	5%	1/10W		A-4733-393-A	AMP BOARD, CC	MPLETE (U	S)	
R104	1-216-829-11	METAL CHIP	4.7K	5%	1/10W			AMP BOARD, CO	•		
R105	1-216-833-11	METAL CHIP	10K	5%	1/10W		A-4/33-434-A	AMP BOARD, CC	`	EP. UK)	
R106	1-216-842-11		56K	5%	1/10W						
R107	1-216-842-11		56K	5%	1/10W			< CAPACITOR >			
R108	1-216-842-11	-	56K	5%	1/10W			( 0/ 11 / 10 / 10 / 17			
R109	1-216-842-11	METAL CHIP	56K	5%	1/10W	C001	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C002	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R110	1-216-821-11	-	1K	5%	1/10W	C003	1-126-947-11		47uF	20%	25V
R111	1-216-821-11	-	1K	5%	1/10W	C004	1-126-965-11		22uF	20%	50V
R112	1-218-867-11		6.8K	5%	1/10W	C005	1-126-965-11	ELECT	22uF	20%	50V
R113	1-216-206-00		2.2K	5%	1/8W	0007	1 104 150 11	OEDAMIO OLUB	0.45		051
R114	1-218-867-11	METAL CHIP	6.8K	5%	1/10W	C007 C008		CERAMIC CHIP	0.1uF 0.1uF		25V 25V
R115	1-216-834-11	METAL CHID	12K	5%	1/10W	C008	1-104-130-11		0.1ur 47uF	20%	25V 25V
R116	1-216-821-11		1K	5%	1/10W	C025		CERAMIC CHIP	0.0068uF	10%	25V 25V
R117	1-216-821-11		1K	5%	1/10W	C026		CERAMIC CHIP	0.0047uF		50V
R118	1-216-809-11		100	5%	1/10W						
R119	1-216-835-11	METAL CHIP	15K	5%	1/10W	C301	1-126-960-11	ELECT	1uF	20%	50V
						C302	1-126-947-11	ELECT	47uF	20%	25V
R120	1-216-833-11		10K	5%	1/10W	C303	1-126-947-11		47uF	20%	25V
R121	1-216-835-11		15K	5%	1/10W	C501		CERAMIC CHIP	0.01uF	10%	25V
R122	1-216-839-11		33K	5%	1/10W	C502	1-162-9/0-11	CERAMIC CHIP	0.01uF	10%	25V
R123 R128	1-216-839-11 1-216-198-00		33K 1K	5% 5%	1/10W 1/8W	C505	1 164 160 11	CERAMIC CHIP	100PF	5%	100V
N1Z0	1-210-190-00	NEO-UHIF	IK	J /0	1/0 00	C506		CERAMIC CHIP	100PF	5%	100V 100V
R130	1-216-836-11	METAL CHIP	18K	5%	1/10W	C507		CERAMIC CHIP	100PF	5%	100V
R131	1-216-836-11		18K	5%	1/10W	C508		CERAMIC CHIP	100PF	5%	100V
R132	1-216-840-11		39K	5%	1/10W	C509		CERAMIC CHIP	820PF	10%	50V
				(E	XCEPT US)						
R132	1-216-841-11	METAL CHIP	47K	5%	1/10W	C510		CERAMIC CHIP	820PF	10%	50V
					(US)	C511	1-126-966-11		33uF	20%	50V
R133	1-216-833-11	METAL CHIP	10K	5%	1/10W	C512	1-126-966-11		33uF	20%	50V
R134	1-216-844-11	METAL CLID	82K	5%	1/10W	C513 C514	1-126-965-11 1-126-965-11		22uF 22uF	20% 20%	50V 50V
R135	1-216-840-11	-	39K	5%	1/10W	0314	1-120-905-11	LLLUI	ZZUI	20 /0	J0 V
11100	1 210 040 11	WEIAE OIII	OOK		XCEPT US)	C517	1-126-959-11	FLECT	0.47uF	20%	50V
R135	1-216-841-11	METAL CHIP	47K	5%	1/10W	C518	1-126-959-11		0.47uF	20%	50V
		-			(US)	C519		CERAMIC CHIP	820PF	5%	25V
R136	1-216-833-11	METAL CHIP	10K	5%	1/10W	C520	1-115-414-11	CERAMIC CHIP	820PF	5%	25V
R137	1-216-844-11	METAL CHIP	82K	5%	1/10W	C521	1-126-963-11	ELECT	4.7uF	20%	50V
R138	1-216-833-11	METAL CHID	10K	5%	1/10W	C522	1-126-963-11	FLECT	4.7uF	20%	50V
R139	1-216-845-11		10K 100K	5%	1/10W	C523		CERAMIC CHIP	4.7 ui 0.1uF	20 /0	25V
R140	1-216-833-11		100K	5%	1/10W	C524		CERAMIC CHIP	0.1uF		25V 25V
R147	1-216-236-11		39K	5%	1/8W	C528		CERAMIC CHIP	0.1uF		25V
R148	1-216-236-11		39K	5%	1/8W	C536	1-126-956-91		0.1uF	20%	50V
									<b>.</b>		
R156	1-216-830-11		5.6K	5%	1/10W	C537	1-126-956-91		0.1uF	20%	50V
R157	1-216-826-11	WE IAL UHIP	2.7K	5%	1/10W	C575 C630		CERAMIC CHIP	0.1uF 330PF	100/	25V
					(E51, MX)	C631		CERAMIC CHIP	330PF 330PF	10% 10%	50V 50V
						0001	1-106-301 <b>-</b> 11	OFITAINIO OUIL	JJUFF	10 /0	JU V

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

AMP

Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	Description			Remark
C633	1-126-947-11		47uF	20%	35V			< SHORT >			
0033	1-120-947-11	ELEGI	47 UF	20 /0	33V			< shuni >			
C634	1-128-552-51	FLECT	47uF	20%	63V	JR511	1-216-296-00	SHORT CHIP	0		
C635		CERAMIC CHIP	0.068uF	2070	25V	JR512	1-216-296-00		0		
C636		CERAMIC CHIP	100PF	5%	50V	JR513	1-216-864-11		0		
C637	1-128-552-51		47uF	20%	63V	JR514	1-216-864-11		0		
C638		CERAMIC CHIP	330PF	5%	50V	JR515	1-216-864-11		0		
C640	1-162-961-11	CERAMIC CHIP	330PF	10%	50V	JR517	1-216-864-11	SHORT CHIP	0		
C641	1-126-947-11	ELECT	47uF	20%	35V	JR1113	1-216-864-11	SHORT CHIP	0 (US)		
C642	1-162-945-11	CERAMIC CHIP	22PF	5%	50V	JR1114	1-216-864-11	SHORT CHIP	0 (E51)		
C643	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	JR1115	1-216-864-11	SHORT CHIP	0 (MX)		
C645	1-162-961-11	CERAMIC CHIP	330PF	10%	50V						
						1	1-216-864-11		0 (UK)		
		< CONNECTOR >					1-216-864-11		0 (AEP)		
						JR1130	1-216-864-11	SHORT CHIP	0 (AEP)		
		PLUG, CONNECT						TDANOIOTOD			
CN502	1-568-830-11	CONNECTOR, FF	G 11P					< TRANSISTOR >	•		
		< DIODE >				Q012	0 700 071 01	TRANSISTOR	2SC27130	TEOFI	
		< DIODE >				Q012 Q013		TRANSISTOR	2SA11630		
D002	0 710 000 61	DIODE 1SS355	TC 17			Q301		TRANSISTOR	2SC3052F		
D002		DIODE 133333				Q302		TRANSISTOR	2SA1235		
D020		DIODE 133184-				Q302		TRANSISTOR	2SA1235		
D501		DIODE 1SS181-				4303	0-729-201-33	THANGISTON	23A1013	ir-un	
D501		DIODE 188181-				Q505	8-729-216-31	TRANSISTOR	2SA11630	3-TF85I	
DOOL	0 7 10 020 00	DIODE TOOTOT	ILOUL			Q506		TRANSISTOR	2SA11630		
D503	8-719-801-78	DIODE 1SS184-	TF85I			Q507		TRANSISTOR	2SC3052F		
D504		DIODE 1SS184-				Q508		TRANSISTOR	2SC3052F		
D505		DIODE AU-01Z-				Q509		TRANSISTOR	2SC3052F		
D506		DIODE AU-01Z-									
D507	8-719-988-61	DIODE 1SS355	ΓE-17			Q510	8-729-120-28	TRANSISTOR	2SC3052F	-T1-LF	
						Q511	8-729-823-91	TRANSISTOR	2SC29109	ST-TP	
D508	8-719-988-61	DIODE 1SS3557	ГЕ-17			Q512	8-729-823-91	TRANSISTOR	2SC29103	ST-TP	
D509	8-719-801-78	DIODE 1SS184-	TE85L			Q513	8-729-823-91	TRANSISTOR	2SC29109	ST-TP	
D510		DIODE 1SS181-				Q514	8-729-823-91	TRANSISTOR	2SC29103	ST-TP	
D511		DIODE 1SS355									
D618	8-719-801-78	DIODE 1SS184-	-TE85L			Q515		TRANSISTOR	2SC27130		
D040	0.740.000.05	DIODE 100101	TEOFI			Q516		TRANSISTOR	2SC27130		EOED)
D619		DIODE 188181-				Q517		TRANSISTOR	HN4A06J		
D623		DIODE 188355				Q518		TRANSISTOR	HN4A06J		E85R)
D624		DIODE MASS				Q521	8-729-120-28	TRANSISTOR	2SC3052F	I I -LF	
D625 D626		DIODE MA8180 DIODE FMB-G10				Q522	8_720_120_2 <u>8</u>	TRANSISTOR	2SC3052F	-T1_I E	
D020	0-7 13-3 12-00	DIODE TIME-GIV	UL			Q523		TRANSISTOR	2SC3052F		
D627	8-719-312-08	DIODE FMB-G1	61			Q524		TRANSISTOR	2SC3052F		
D629		DIODE 1SS355				Q525		TRANSISTOR	2SD1306I		
D630		DIODE UDZS-TE				Q526		TRANSISTOR	2SD1306I		
D631		DIODE 1SS355					0 . 20 002 . 0		202.000.		
D632	8-719-988-61	DIODE 1SS355	ΓE-17			Q527	6-550-580-01	TRANSISTOR	2SA1235	ΓP-1F	
						Q530		TRANSISTOR	2SC3052F	-T1-LF	
D633		DIODE 1SS355				Q610		TRANSISTOR	2SA11630		
D634		DIODE 1SS355				Q611		TRANSISTOR	DTA114E		
D635		DIODE 1SS355				Q617	6-550-580-01	TRANSISTOR	2SA1235	ΓP-1F	
D636		DIODE 1SS355									
D637	8-719-988-61	DIODE 1SS355	ΓE-17			Q618	6-550-040-01		2SK3053		
						Q619	6-550-040-01		2SK3053	(5.0)	
D638	8-719-988-61	DIODE 1SS355	IE-1/			Q620		TRANSISTOR	2SD814A	` '	
		, ODOLIND TERM	AINIAI .			Q621 Q622		TRANSISTOR	2SC3052F		
		< GROUND TERM	/IIIVAL >			U022	0-330-310-01	TRANSISTOR	2SB792A	(KS)	
* EP501	1-537-738-21	TERMINAL, EAR	ГН			Q623	6-550-580-01	TRANSISTOR	2SA12357	ΓP-1F	
* EP502		TERMINAL, EAR				Q624		TRANSISTOR	2SA1235		
L. 30L	. 551 150 21		•			4021	3 330 550 01		_5,200		
		< IC >						< RESISTOR >			
IC001	8-759-071-48					R035	1-216-837-11		22K	5%	1/10W
IC003	8-759-231-58	IC TA7812S				R036	1-216-837-11		22K	5%	1/10W
						R037	1-216-830-11	METAL CHIP	5.6K	5%	1/10W

### **AMP**

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R065	1-216-073-00		10K	5%	1/10W	R536	1-216-809-11	METAL CHIP	100	5%	1/10W
R066	1-216-085-00	RES-CHIP	33K	5%	1/10W	R537	1-247-713-11	CADDON	1K	5%	1/2W
R067	1-216-089-11	RES-CHIP	47K	5%	1/10W	noo <i>i</i>	1-241-110-11	CANDUN	IN	J /0	(E51, MX)
R068	1-216-833-11		10K	5%	1/10W	R537	1-249-923-11	CARRON	1K	5%	1/4W
R090	1-216-073-00		10K	5%	1/10W	11007	1 2 10 020 11	OMINDON	111		JS, AEP, UK)
R301	1-216-841-11		47K	5%	1/10W	R538	1-247-713-11	CARRON	1K	5%	1/4W
R302	1-216-853-11		470K	5%	1/10W	11000		071112011	***	0 70	(E51, MX)
11002	1 210 000 11	MEDICE OIII	17 010	0 70	1, 1011	R538	1-249-923-11	CARBON	1K	5%	1/4W
R303	1-216-827-11	METAL CHIP	3.3K	5%	1/10W						JS, AEP, UK)
R304	1-216-813-11	METAL CHIP	220	5%	1/10W	R539	1-216-833-11	METAL CHIP	10K	5%	1/10W
R305	1-216-833-11		10K	5%	1/10W						
R306	1-216-833-11	METAL CHIP	10K	5%	1/10W	R540	1-216-833-11	METAL CHIP	10K	5%	1/10W
R307	1-216-792-11	METAL CHIP	3.9	5%	1/10W	R541	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
						R542	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R311	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R543	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R312	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R544	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
<b> ∆</b> R501	1-220-890-11	METAL	0.22	10%	3W F						
				(US	S, E51, MX)	R545	1-216-809-11	METAL CHIP	100	5%	1/10W
<b> ∆</b> R502	1-220-890-11	METAL	0.22	10%	3W F	R546	1-216-809-11	METAL CHIP	100	5%	1/10W
				(US	S, E51, MX)	R547	1-216-083-00	METAL CHIP	27K	5%	1/10W
<b> № R503</b>	1-220-890-11	METAL	0.22	10%	3W F	R548	1-216-083-00	METAL CHIP	27K	5%	1/10W
				(US	S, E51, MX)	R549	1-216-039-00	RES-CHIP	390	5%	1/10W
											(E51, MX)
<b> ∆</b> R504	1-220-890-11	METAL	0.22	10%	3W F						
					S, E51, MX)	R549	1-216-041-00	METAL CHIP	470	5%	1/10W
R505	1-216-809-11		100	5%	1/10W						(US)
R506	1-216-809-11		100	5%	1/10W	R549	1-216-043-00	RES-CHIP	560	5%	1/10W
R507	1-216-822-11	METAL CHIP	1.2K	5%	1/10W						(AEP, UK)
				,	S, E51, MX)	R550	1-216-039-00	RES-CHIP	390	5%	1/10W
R507	1-216-823-11	METAL CHIP	1.5K	5%	1/10W						(E51, MX)
					(AEP, UK)	R550	1-216-041-00	METAL CHIP	470	5%	1/10W
D.E.O.O.	4 040 000 44	METAL OLUB	4.014	<b>5</b> 0/	4 /4 014	D	4 040 040 00	DE0 0111D	500	<b>5</b> 0/	(US)
R508	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R550	1-216-043-00	RES-CHIP	560	5%	1/10W
D.E.O.O.	4 040 000 44	METAL OLUB	4.514	•	S, E51, MX)						(AEP, UK)
R508	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	DEEO	1 010 000 11	METAL OLUD	071/	<b>5</b> 0/	4 /4 0 14 /
DEOO	1 010 000 11	METAL CLUD	0.71/	E0/	(AEP, UK)	R553	1-216-838-11 1-216-838-11		27K	5%	1/10W
R509 R510	1-216-826-11 1-216-826-11		2.7K 2.7K	5% 5%	1/10W 1/10W	R554	1-216-838-11		27K	5%	1/10W
R511	1-216-821-11		2.7K 1K	5% 5%	1/10W	R555 R556	1-216-845-11		100K 100K	5% 5%	1/10W 1/10W
noii	1-210-021-11	WE TAL CHIP	IK	J /0	1/1000	R557	1-216-821-11		1K	5 % 5 %	1/10W
R512	1-216-821-11	METAL CHIP	1K	5%	1/10W	11001	1-210-021-11	WILIAL OITH	IIX	J /0	1/1000
R513	1-218-867-11		6.8K	5%	1/10W	R558	1-216-821-11	METAL CHIP	1K	5%	1/10W
R514	1-218-867-11		6.8K	5%	1/10W	R559	1-216-063-00		3.9K	5%	1/10W
R515	1-216-033-00		220	5%	1/10W	R560	1-216-063-00		3.9K	5%	1/10W
R516	1-216-033-00		220	5%	1/10W	R561	1-216-843-11		68K	5%	1/10W
11010	1 210 000 00	MEDICE OIII	LLO	0 70	1, 1011	R562	1-216-857-11		1M	5%	1/10W
R517	1-216-015-00	METAL CHIP	39	5%	1/10W		. 2.0 00			0 / 0	.,
R518	1-216-015-00		39	5%	1/10W	R564	1-216-864-11	SHORT CHIP	0		
R519	1-216-015-00		39	5%	1/10W	R574	1-216-009-00		22	5%	1/10W
R520	1-216-015-00	-	39	5%	1/10W	R575	1-216-833-11		10K	5%	1/10W
R521	1-216-824-11		1.8K	5%	1/10W	R576	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R591	1-216-845-11		100K	5%	1/10W
R522	1-216-824-11	METAL CHIP	1.8K	5%	1/10W						
R523	1-216-825-11		2.2K	5%	1/10W	R592	1-216-835-11	METAL CHIP	15K	5%	1/10W
R524	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	<b> △</b> R595	1-220-755-11	METAL	0.22	10%	2W F
R525	1-216-821-11	METAL CHIP	1K	5%	1/10W						(AEP, UK)
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W	<b> △</b> R595	1-217-153-00	METAL	0.47	10%	2W É
											(E51, MX)
R527	1-216-841-11	METAL CHIP	47K	5%	1/10W	<b> △</b> R596	1-220-755-11	METAL	0.22	10%	2W F
R528	1-216-841-11	METAL CHIP	47K	5%	1/10W						(AEP, UK)
R529	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	<b> △ R 5 9 6</b>	1-217-153-00	METAL	0.47	10%	2W F
R530	1-216-829-11		4.7K	5%	1/10W						(E51, MX)
R531	1-216-823-11	METAL CHIP	1.5K	5%	1/10W						
						<b> ∆</b> R597	1-220-755-11	METAL	0.22	10%	2W F
	1-216-823-11	METAL CHIP	1.5K	5%	1/10W						(AEP, UK)
R532						. A DEGE	4 047 450 00	NACTAL	0.47	400/	014/
R533	1-216-809-11		100	5%	1/10W	<b>△</b> R597	1-217-153-00	WEIAL	0.47	10%	2W F
		METAL CHIP	100 100 100	5% 5% 5%	1/10W 1/10W 1/10W	<u> </u>	1-217-153-00	METAL	0.47	10%	2W F (E51, MX)

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

										1411	
Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	<u>Description</u>			Remark
<b> ∆</b> R598	1-220-755-11	METAL	0.22	10%	2W F	R698	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
A DE00	1-217-153-00	METAL	0.47	10%	(AEP, UK) 2W F	Devo	1 016 055 00	METAL CHID	1 01/	5%	(E51, MX) 1/10W
<b>▲</b> R598	1-217-155-00	IVICIAL	0.47	1076	(E51, MX)	R698	1-216-055-00	WEIAL UNIP	1.8K		S, AEP, UK)
R626	1-216-061-00	RES-CHIP	3.3K	5%	1/10W						
R627	1-216-833-11	METAL CHIP	10K	5%	1/10W	R699	1-249-423-11	CARBON	3.3K	5%	1/4W
R641	1-216-081-00		22K	5%	1/10W			< RELAY >			
R642	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	DVE01	1 755 007 11	DELAY			
R642	1-216-057-00	METAL CHIP	2.2K	5%	(E51, MX) 1/10W	RY501	1-755-307-11	RELAY			
					S, AEP, UK)			< THERMISTOR >	>		
R643	1-216-055-00	METAL CHIP	1.8K	5%	1/10W (E51, MX)	TH501	1-803-790-21	THERMISTOR			
					(LOT, WIX)	TH502	1-803-790-21				
R643	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	******	*******	*******	*******	******	******
R645	1-216-841-11	METAL CHIP	47K	5%	S, AEP, UK) 1/10W		A-4731-674-A	BD BOARD, COM	PLETE		
R646	1-216-841-11		47K	5%	1/10W		7. 1101 07 17.	******			
R647	1-216-837-11	METAL CHIP	22K	5%	1/10W						
R648	1-216-849-11	METAL CHIP	220K	5%	1/10W			< CAPACITOR/SH	IORT >		
R649	1-216-849-11	METAL CHIP	220K	5%	1/10W	C101	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
R650	1-216-833-11	METAL CHIP	10K	5%	1/10W	C102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R651	1-216-825-11		2.2K	5%	1/10W	C103		CERAMIC CHIP	470PF	5%	50V
R652	1-216-841-11		47K	5%	1/10W	C104		CERAMIC CHIP	0.0033uF	10%	50V
R653	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	C107	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
R654	1-216-835-11	METAL CHIP	15K	5%	1/10W	C108	1-164-360-11	CERAMIC CHIP	0.1uF		16V
R655	1-249-419-11	CARBON	1.5K	5%	1/4W	C109	1-164-360-11	CERAMIC CHIP	0.1uF		16V
R656	1-249-420-11		1.8K	5%	1/4W	C110		CERAMIC CHIP	0.1uF	10%	16V
R658	1-216-186-00		330	5%	1/8W	C111	1-126-607-11		47uF	20%	4V
R659	1-216-184-00	RES-CHIP	270	5%	1/8W	C112	1-164-360-11	CERAMIC CHIP	0.1uF		16V
R660	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	C113	1-128-995-21	ELECT CHIP	100uF	20%	10V
R661	1-216-061-00		3.3K	5%	1/10W	C114	1-162-964-11		0.001uF	10%	50V
R662	1-216-833-11		10K	5%	1/10W	C115	1-128-995-21		100uF	20%	10V
R663	1-216-833-11	-	10K 3.3K	5% 5%	1/10W	C116	1-107-826-11		0.1uF 0.1uF	10%	16V 16V
R664	1-216-061-00	NEO-UNIF	J.JN	J /0	1/10W	C117	1-164-360-11	CERAMIC CHIP	U.Tur		100
R669	1-216-833-11		10K	5%	1/10W	C118	1-115-156-11		1uF		10V
R670	1-216-835-11		15K	5%	1/10W	C119	1-115-156-11		1uF		10V
R671	1-216-833-11		10K	5%	1/10W	C121	1-216-864-11		0		401/
R672 R674	1-216-829-11 1-216-238-91		4.7K 47K	5% 5%	1/10W 1/8W	C122 C131	1-164-360-11	CERAMIC CHIP CERAMIC CHIP	0.1uF 0.068uF	10%	16V 16V
11074	1-210-230-31	NLO-OHIF	4710	J /0	1/000	0131			0.00001	10 /0	10 V
R675	1-216-825-11		2.2K	5%	1/10W	C132		CERAMIC CHIP	0.022uF	10%	25V
R676	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	C133	1-125-838-11		2.2uF	10%	6.3V
R677	1-216-061-00		3.3K	5%	1/10W	C150	1-128-394-11		220uF	20%	10V
R678 R679	1-216-234-00 1-216-830-11		33K 5.6K	5% 5%	1/8W 1/10W	C151 C152		CERAMIC CHIP CERAMIC CHIP	0.1uF 0.1uF		16V 16V
N0/9	1-210-030-11	WETAL UNIT	J.0K	J /0	1/1000	0102	1-104-300-11	GENAIVIIG GHIF	U.Tur		100
R681	1-259-583-11		15K	5%	1/2W	C153		CERAMIC CHIP	0.1uF		16V
R682	1-216-835-11		15K	5%	1/10W	C156		CERAMIC CHIP	0.01uF	10%	25V
R683	1-216-214-00		4.7K	5%	1/8W	C169	1-128-394-11		220uF	20%	10V
R685	1-216-825-11		2.2K	5%	1/10W 1/4W	C202		CERAMIC CHIP	0.1uF 0.001uF	100/	16V
R686	1-249-423-11	CARBUN	3.3K	5%	1/4VV	C203	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R691	1-216-176-11		120	5%	1/8W	C205		CERAMIC CHIP	0.1uF		16V
R692	1-249-423-11		3.3K	5%	1/4W	C208		CERAMIC CHIP	0.1uF	E0/	16V
R693	1-249-423-11 1-216-833-11		3.3K	5%	1/4W 1/10W	C209 C211		CERAMIC CHIP CERAMIC CHIP	100PF 0.1uF	5% 10%	50V 16V
R694 R695	1-249-433-11		10K 22K	5% 5%	1/10W 1/4W	C211	1-107-826-11		0.1uF 0.0015uF	10% 10%	50V
R696	1-216-226-00		15K	5%	1/8W	C213		CERAMIC CHIP	0.0033uF		50V
R697	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	C215		CERAMIC CHIP	0.47uF	10%	6.3V
R697	1-216-055-00	МЕТДІ СЫБ	1.8K	5%	(E51, MX) 1/10W	C216 C222		CERAMIC CHIP CERAMIC CHIP	0.01uF 0.1uF	10%	25V 16V
11031	1-210-030-00	WIL IAL VITIF	1.01		S, AEP, UK)	C222		CERAMIC CHIP	1uF		10V 10V
				U	o, /.Li , oit)	. 0227	. 110 100 11	CETO IIVIIO OTIII	rui		100

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

# BD

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	Description < SHORT >			<u>Remark</u>
C226 C227 C229		ELECT CHIP CERAMIC CHIP CERAMIC CHIP	47uF 0.1uF 0.1uF	20%	4V 16V 16V	JR1	1-216-864-11		0		
C230 C231		CERAMIC CHIP	0.1uF 1000uF	20%	16V 6.3V			< COIL >			
C249 C250		CERAMIC CHIP CERAMIC CHIP	0.1uF 0.1uF		16V 16V	L101 L163	1-412-032-11 1-216-864-11	INDUCTOR CHIP SHORT CHIP	100uH 0		
C251 C253	1-164-360-11	CERAMIC CHIP CERAMIC CHIP	0.1uF 0.1uF		16V 16V			< TRANSISTOR >			
C254		CERAMIC CHIP	22PF	5%	50V	Q101	8-729-046-90	TRANSISTOR	2SB970-(	ΓX).S0	
C255 C256		CERAMIC CHIP CERAMIC CHIP	0.1uF 0.1uF		16V 16V			< RESISTOR/CAP	ACITOR >		
C257		CERAMIC CHIP	0.33uF	20%	10V	R101	1-216-864-11	SHORT CHIP	0		
C258		CERAMIC CHIP	22PF	5%	50V	R102	1-216-835-11		15K	5%	1/10W
C259		CERAMIC CHIP	0.1uF	0 70	16V	R103	1-216-845-11		100K	5%	1/10W
0200	1 101 000 11	OLIVIANIO OIIII	o.rui		101	R104	1-216-835-11		15K	5%	1/10W
C260	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	R105	1-216-821-11		1K	5%	1/10W
C261	1-126-246-11		220uF	20%	4V	11103	1-210-021-11	WILIAL OITH	IIX	J /0	1/1000
C263	1-126-607-11		47uF	20%	4V	R111	1-216-847-11	METAL CHID	150K	5%	1/10W
C264	1-126-607-11		47uF 47uF		4 V 4 V	R113	1-218-701-11		2.4K	5%	1/10W
C265	1-126-607-11		47uF 47uF	20% 20%	4 V 4 V	R114	1-216-852-11		390K	5%	1/10W
6205	1-120-007-11	ELECT UNIF	47 UF	20 /0	<del>4</del> V						1/10W
COCC	1 104 000 11	CERAMIC CHIP	0.4		101/	R115	1-216-839-11		33K	5%	
C266			0.1uF	100/	16V	R116	1-216-839-11	WETAL CHIP	33K	5%	1/10W
C267		CERAMIC CHIP	0.0047uF		50V	D447	1 010 040 11	METAL OLUD	1001/	F0/	4/4014
C268		CERAMIC CHIP	0.0047uF		50V	R117	1-216-846-11		120K	5%	1/10W
C269	1-126-607-11		47uF	20%	4V	R118	1-216-833-11		10K	5%	1/10W
C270	1-102-900-11	CERAMIC CHIP	220PF	10%	50V	R120	1-216-846-11		120K	5%	1/10W
C271	1 160 070 11	CERAMIC CHIP	0.01E	100/	25V	R122 R123	1-216-845-11		100K	5% 5%	1/10W
C271	1-102-970-11		0.01uF 0	10%	23 V	n i z s	1-216-791-11	WE IAL CHIP	3.3	370	1/10W
C273		CERAMIC CHIP		10%	50V	D105	1-216-840-11	METAL CLID	39K	E 0/	1/10W
C274		CERAMIC CHIP	220PF		25V	R125	1-216-840-11		39K	5% 5%	1/10W
			0.01uF	10%		R126					
C292	1-104-300-11	CERAMIC CHIP	0.1uF		16V	R131 R132	1-216-843-11 1-216-851-11		68K 330K	5% 5%	1/10W 1/10W
C310	1 164 260 11	CERAMIC CHIP	0.1uF		16V	R133	1-216-825-11		2.2K	5%	1/10W
C313		CERAMIC CHIP	0.1uF		16V	11133	1-210-025-11	WIL TAL OTHE	2.21\	J /0	1/1000
C314		CERAMIC CHIP	1uF		10V 10V	R151	1-216-845-11	METAL CHIP	100K	5%	1/10W
C316		CERAMIC CHIP	0.1uF		16V	R152	1-216-825-11		2.2K	5%	1/10W
0310	1-104-300-11	OLITAWIO OTIII	U. Tui		101	R155	1-216-864-11		0	J /0	1/1000
		< CONNECTOR >				R162	1-216-833-11		10K	5%	1/10W
		COMMEDIANT				R163	1-216-833-11		10K	5%	1/10W
CN101		CONNECTOR, FCC									
CN102		CONNECTOR, FFO				R166	1-216-821-11	METAL CHIP	1K	5%	1/10W
CN104	1-784-863-21	CONNECTOR, FFO	C(LIF (NON	-ZIF)) 11	Р	R167	1-216-864-11	SHORT CHIP	0		
						R168	1-216-821-11		1K	5%	1/10W
		< SHORT/FERRIT	E BEAD >			R169	1-216-864-11		0		
ED400	1 010 004 11	CHUDT Chin	0			R199	1-216-864-11	SHUKT CHIP	0		
FB102	1-216-864-11		0			D001	1 016 000 11	METAL CUID	221/	E 0/	1/1014
FB103 FB104	1-216-864-11		0			R201	1-216-839-11 1-216-833-11		33K 10K	5% 5%	1/10W 1/10W
	1-216-864-11		0			R202					
* FB161	1-469-670-21		0uH			R203	1-216-845-11		100K	5%	1/10W
FB201	1-216-295-00	SHUKI CHIP	0			R204	1-216-827-11		3.3K	5%	1/10W
FB203	1-216-864-11	SHORT CHIP	0			R205	1-216-821-11	WEIAL CHIP	1K	5%	1/10W
FB203	1-216-295-00		0			R206	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
FB291	1-216-864-11		0			R207	1-216-857-11		1M	5%	1/10W
FB351	1-216-864-11		0			R216	1-216-857-11		1M	5%	1/10W
. 5001	00111	5	•			R218	1-216-821-11		1K	5%	1/10W
		< IC >				R219	1-216-821-11		1K	5%	1/10W
							·				
IC101	8-752-408-73	IC CXD3068Q				R220	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC102	8-759-713-70	IC AN41020A				R221	1-216-809-11	METAL CHIP	100	5%	1/10W
IC103		IC CXA2647N-T4				R222	1-216-809-11	METAL CHIP	100	5%	1/10W
IC104		IC TC94A20F-CX				R223	1-216-809-11	METAL CHIP	100	5%	1/10W
IC121	6-700-394-01	IC BA25BC0FP-	2			R224	1-216-809-11	METAL CHIP	100	5%	1/10W

								1			
							BD	CONNE	CTOR	D	ECK
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R225	1-216-809-11	METAL CHIP	100	5%	1/10W	C761	1-162-306-11	CERAMIC	0.01uF	30%	16V
R226	1-216-809-11		100	5%	1/10W	C762	1-164-159-21		0.1uF		50V
R227	1-216-809-11	METAL CHIP	100	5%	1/10W						
R230	1-216-811-11	METAL CHIP	150	5%	1/10W	C763	1-164-159-21	CERAMIC	0.1uF		50V
R231	1-216-815-11	METAL CHIP	330	5%	1/10W	C764	1-164-159-21		0.1uF		50V
						C765	1-164-159-21		0.1uF		50V
R232	1-216-815-11		330	5%	1/10W	C766	1-164-159-21		0.1uF		50V
R233	1-216-815-11		330	5%	1/10W	C767	1-164-159-21	CERAMIC	0.1uF		50V
R249	1-216-818-11	-	560	5%	1/10W	0700		0554440	0.4 5		501/
R250	1-216-813-11		220	5%	1/10W	C768	1-164-159-21		0.1uF		50V
R251	1-216-813-11	METAL CHIP	220	5%	1/10W	C769 C771	1-164-159-21 1-162-306-11		0.1uF 0.01uF	200/	50V 16V
R252	1-216-857-11	METAL CHIP	1M	5%	1/10W	C781	1-162-306-11		0.01uF	30% 30%	16V
R253	1-216-821-11		1K	5%	1/10W	0701	1-102-300-11	CLIMINIO	0.01ui	30 /0	101
R255	1-216-809-11		100	5%	1/10W			< CONNECTOR >			
R257	1-216-809-11		100	5%	1/10W			COOMMEDICAL			
R259	1-216-809-11		100	5%	1/10W	CN701	1-779-564-21	CONNECTOR, FFO	C (LIF (NON	-7IF)) 27	Р
11200	1 210 000 11	WEINE OIII	100	0 70	17 1000	CN702		PIN, CONNECTOR			
R260	1-216-821-11	METAL CHIP	1K	5%	1/10W	CN703		PIN, CONNECTOR	`	,	
R261	1-164-360-11	CERAMIC CHIP	0.1uF		16V	* CN710		PIN, CONNECTOR		,	
R265	1-216-813-11	METAL CHIP	220	5%	1/10W			•			
R266	1-216-813-11	METAL CHIP	220	5%	1/10W			< DIODE >			
R271	1-216-833-11	METAL CHIP	10K	5%	1/10W						
						D701		DIODE MTZJ-T-			
R272	1-216-829-11		4.7K	5%	1/10W	D711		DIODE MTZJ-T-			
R275	1-216-833-11		10K	5%	1/10W	D721	8-719-982-03	DIODE MTZJ-T-	77-3.6A		
R276	1-216-809-11		100	5%	1/10W			10			
R279	1-216-809-11		100	5%	1/10W			< IC >			
R284	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	IC701	0 750 500 60	IC BA6956AN			
R291	1-216-864-11	CHUDT CHID	0			IC701		IC BA6956AN			
R303	1-216-864-11		0			IC721		IC BA6956AN			
R308	1-216-864-11		0			10721	0 700 000 00	TO DAUGGOAN			
R309	1-216-864-11		0					< TRANSISTOR >	•		
R310	1-216-864-11		0								
						Q731	8-729-029-66	TRANSISTOR	RT1N1419	S-TP	
R311	1-216-864-11	SHORT CHIP	0								
R313	1-216-864-11		0					< RESISTOR >			
R314	1-216-864-11		0								
R316	1-216-864-11		0				1-249-415-11		680	5%	1/4W
R318	1-216-864-11	SHORT CHIP	0			R702	1-247-807-31	-	100	5%	1/4W
D010	1 010 004 11	CHORT OHID	0			R711	1-249-415-11		680	5%	1/4W
R319 R321	1-216-864-11 1-216-864-11		0			R712 R721	1-247-807-31 1-249-415-11		100 680	5%	1/4W 1/4W
R351	1-216-864-11		0			N/ZI	1-249-415-11	CANDUN	000	5%	1/ <del>4</del> VV
nooi	1-210-004-11	SHUNT CHIP	U			R722	1-247-807-31	CARRON	100	5%	1/4W
		< VARIABLE RES	ISTOR >			R731	1-247-806-11		91	5%	1/4W
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				R732	1-249-417-11		1K	5%	1/4W
RV101	1-223-997-21	RES, CARBON AD	J VAR 47K			R733	1-249-429-11		10K	5%	1/4W
						R734	1-249-429-11	CARBON	10K	5%	1/4W
		< VIBRATOR >				******	********	******	*****	******	*****
1/004	4 707 400 04	\	T11 (40.00	4.48.411.				DE01/ D04DD 0/			10)
X201		VIBRATOR, CRYS *******					A-4/33-420-A	DECK BOARD, CO		XCEPT	JS)
	A-4731-113-A	CONNECTOR BOA	ARD, COMP	LETE				< CAPACITOR >			
		******	******	****							
						C303		CERAMIC CHIP	0.0012uF		50V
		< CAPACITOR >				C304		CERAMIC CHIP	0.0012uF		50V
0744	1 100 705 11	EL EOT	40 5	000/	501/	C307	1-104-665-11		100uF	20%	10V
C711	1-126-795-11		10uF	20%	50V	C308	1-104-665-11		100uF	20%	10V
C751	1-164-159-21		0.1uF		50V	C309	1-102-923-11	CERAMIC CHIP	47PF	5%	50V
C752 C753	1-164-159-21 1-164-159-21		0.1uF 0.1uF		50V 50V	C310	1-160-000 11	CERAMIC CHIP	47PF	5%	50V
C753	1-164-159-21		0.1uF 0.1uF		50V 50V	C310		CERAMIC CHIP	47PF 0.0068uF	5% 10%	50V 50V
0134	1-104-133-21	OLIMINIO	o. rui		JU V	C314		CERAMIC CHIP	0.0068uF	10%	50V 50V
C755	1-164-159-21	CERAMIC	0.1uF		50V	C315	1-126-964-11		220uF	20%	16V
C756	1-164-159-21		0.1uF		50V	C317	1-126-956-91		0.1uF	20%	50V
C758	1-164-159-21		0.1uF		50V				•		

# DECK

Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
C318	1-126-956-91	FLECT	0.1uF	20%	50V	JR401	1-216-295-00	SHORT CHIP	0		
C325		CERAMIC CHIP	0.1uF	2070	25V	JR402	1-216-296-00		0		
C326		CERAMIC CHIP	0.022uF	10%	25V	011102	1 210 200 00	OHOTH OHH	· ·		
C327		CERAMIC CHIP	0.1uF	10%	16V			< COIL >			
C360	1-126-964-11		220uF	20%	16V			( 001L )			
0000	1 120 304 11	LLLOT	220ui	20 /0	101	L451	1-456-094-11	COIL OSC	85KHZ BIA	ΔS	
C399	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	LTOI	1 400 004 11	001L, 000	OUNTIL DI	AU .	
C401	1-126-956-91		0.1uF	20%	50V			< TRANSISTOR >			
C402	1-126-956-91		0.1uF	20%	50V			< TIMIOTOTOTI			
C403		CERAMIC CHIP	82PF	5%	50V	Q305	6-550-290-01	FFT	2SJ460		
C404		CERAMIC CHIP	82PF	5%	50V	Q306	8-729-034-49		KRC104S		
0404	1-102-320-11	OLITAIVIIO OTIII	0211	J /0	J0 V	Q307	6-550-290-01		2SJ460		
C405	1_162_070_11	CERAMIC CHIP	0.01uF	10%	25V	Q308	6-550-290-01		2SJ460		
C406		CERAMIC CHIP	0.01uF	10%	25V 25V	Q309	8-729-230-69		2SA13620	2	
C407		CERAMIC CHIP	0.01uF	10%	25V 25V	Q303	0-723-230-03	THANGISTON	20/10020	J	
C408		CERAMIC CHIP	0.01uF	10%	25V 25V	Q310	8-729-230-69	TRANSISTOR	2SA13620	2	
C409		CERAMIC CHIP	0.0047uF		50V	Q443	8-729-230-69		2SA13620		
0403	1-102-300-11	OLIMNIO OIIII	0.00 <del>4</del> 7 ui	10 /0	J0 V	Q444	8-729-230-69		2SA13626		
C410	1_162_068_11	CERAMIC CHIP	0.0047uF	10%	50V	Q451	6-550-297-01		2SA1981Y		
C411	1-102-300-11		10uF	20%	50V 50V	Q453	8-729-036-89		KTC31980		
C411	1-126-964-11		10uF	20%	50V 50V	Q433	0-729-030-09	MANOISTON	K1031300	JIN-A	
C412		CERAMIC CHIP	0.1uF	20 /0	25V	Q454	8-729-036-89	TDANGICTOD	KTC31980	2D A	
			22uF	20%	25V 25V	Q454	0-729-030-09	INANSISTUN	K1031900	an-A	
C452	1-128-551-11	ELEUI	ZZUF	20%	23 V			< RESISTOR >			
CAEO	1 164 650 01	CERAMIC CHIP	0.0027uF	100/	50V			< nesision >			
C453						Dana	1 016 044 11	METAL CHID	001/	E 0/	1/101//
C454		CERAMIC CHIP CERAMIC CHIP	0.0027uF 0.0027uF		50V 50V	R303 R304	1-216-844-11 1-216-844-11		82K 82K	5% 5%	1/10W 1/10W
C455											
C456		CERAMIC CHIP	0.01uF	10%	25V	R305	1-216-849-11		220K	5%	1/10W
C457	1-137-459-11	WIYLAK	0.0056uF	3%	100V	R306	1-216-828-11		3.9K	5%	1/10W
0450	1 100 004 11	CEDAMIC CUID	0.001	100/	E01/	R307	1-216-817-11	WETAL CHIP	470	5%	1/10W
C458		CERAMIC CHIP	0.001uF	10%	50V	Door	1 010 017 11	METAL OLUD	470	F0/	4/4014
C459		CERAMIC CHIP	560PF	5%	50V	R308	1-216-817-11		470	5%	1/10W
C460		CERAMIC CHIP	0.1uF	10%	16V	R309	1-216-806-11		56	5%	1/10W
C461		CERAMIC CHIP	390PF	5%	50V	R310	1-216-806-11		56	5%	1/10W
C462	1-164-392-11	CERAMIC CHIP	390PF	5%	50V	R313	1-216-836-11		18K	5%	1/10W
		0011150705				R314	1-216-836-11	METAL CHIP	18K	5%	1/10W
		< CONNECTOR >				5045	4 040 050 44	METAL OLUB	2001/	<b>5</b> 0/	4 (4 0) 14
011000	4 500 000 44	0011150705 550	2445			R315	1-216-852-11		390K	5%	1/10W
CN008		CONNECTOR, FFO				R316	1-216-852-11		390K	5%	1/10W
* CN302	1-564-710-11	PIN, CONNECTOR	R (SMALL I	YPE) 8P		R317	1-216-822-11		1.2K	5%	1/10W
		5.055				R318	1-216-822-11		1.2K	5%	1/10W
		< DIODE >				R319	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
D401	8-719-988-61	DIODE 1SS355T	E-1/			R321	1-216-864-11		0		
						R322	1-216-864-11		0		
		< GROUND TERM	/IINAL >			R323	1-216-174-11		100	5%	1/8W
						R375	1-216-822-11		1.2K	5%	1/10W
* EP301	1-537-738-21	TERMINAL, EART	Н			R376	1-216-821-11	METAL CHIP	1K	5%	1/10W
		00=									
		< SHORT >				R399	1-216-857-11		1M	5%	1/10W
			_			R401	1-216-846-11		120K	5%	1/10W
FB301	1-216-864-11	SHORT CHIP	0			R402	1-216-846-11		120K	5%	1/10W
						R403	1-216-821-11		1K	5%	1/10W
		< IC >				R404	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC301		IC NJM14558M				R405	1-216-841-11		47K	5%	1/10W
IC401	6-702-457-01	IC NJM14558M-	-TE2			R406	1-216-841-11		47K	5%	1/10W
						R407	1-216-821-11		1K	5%	1/10W
		< SHORT >				R408	1-216-821-11		1K	5%	1/10W
			_			R409	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
JR302	1-216-295-00		0								
JR303	1-216-864-11		0			R410	1-216-822-11		1.2K	5%	1/10W
JR304	1-216-864-11		0			R411	1-216-835-11		15K	5%	1/10W
JR318	1-216-864-11		0			R412	1-216-835-11		15K	5%	1/10W
JR319	1-216-864-11	SHORT CHIP	0			R413	1-216-825-11		2.2K	5%	1/10W
						R414	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
JR320	1-216-864-11		0								
JR321	1-216-296-00	SHORT CHIP	0			R415	1-216-819-11	METAL CHIP	680	5%	1/10W
JR322	1-216-864-11	SHORT CHIP	0			R416	1-216-819-11	METAL CHIP	680	5%	1/10W

											· Divi
				D	ECK	HEAD	PHONE	JOG	KEY	LED	RMC
Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	Description			<u>Remark</u>
R417	1-216-833-11	METAL CHIP	10K	5%	1/10W			< RESISTOR >			
R418	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R419	1-216-821-11	METAL CHIP	1K	5%	1/10W	R376	1-216-833-11		10K	5%	1/10W
D 400	1 010 001 11	METAL CLUD	11/	E0/	1/1014	R377	1-216-843-11		68K	5%	1/10W
R420 R421	1-216-821-11 1-216-837-11		1K 22K	5% 5%	1/10W 1/10W	R378 R379	1-216-835-11 1-216-848-11		15K 180K	5% 5%	1/10W 1/10W
R422	1-216-837-11		22K	5%	1/10W	R380	1-216-833-11		106K	5%	1/10W
R423	1-216-836-11		18K	5%	1/10W						
R424	1-216-836-11	METAL CHIP	18K	5%	1/10W			< SWITCH >			
R425	1-216-833-11	METAL CHIP	10K	5%	1/10W	S304	1-478-133-11	ENCODER, ROTA	RY (MULT	JOG)	
R453	1-216-663-91		3.3K		1/10W	******	********	******	*******	*****	*****
R454	1-216-148-00		8.2	5%	1/8W		A 4700 00E A	KEV LED DMO D	0 A D D 0 O A	ADI ETE	
R455 R456	1-216-836-11 1-216-836-11		18K 18K	5% 5%	1/10W 1/10W		A-4/33-395-A	KEY LED RMC BO			
11100	1 210 000 11	WEINE OIT	1010		171000						
R457	1-249-395-11		15	5%	1/4W			< CAPACITOR >			
R458 R459	1-216-845-11 1-216-154-00		100K 15	5% 5%	1/10W 1/8W	0601	1 160 007 11	CERAMIC CHIP	100PF	5%	50V
R459 R460	1-249-399-11		33	5% 5%	1/8VV 1/4W	C601 C602		CERAMIC CHIP	100PF 100PF	5% 5%	50V 50V
R465	1-216-845-11		100K	5%	1/4VV 1/10W	C603		CERAMIC CHIP	100FF	5%	50V
					.,	C604		CERAMIC CHIP	100PF	5%	50V
R466	1-216-845-11	METAL CHIP	100K	5%	1/10W	C605	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
		< VARIABLE RES	ISTOR >			C606		CERAMIC CHIP	100PF	5%	50V
QED/151	1-2/1-766-11	RES, ADJ, CARB	UN 33K			C607 C608	1-124-234-00	CERAMIC CHIP	22uF 0.47uF	20%	16V 25V
		RES, ADJ, CARB				C609		CERAMIC CHIP	0.47uF		25V 25V
		******		******	******	C621		CERAMIC CHIP	0.1uF		16V
	1-688-414-11	HEADPHONE BO						< CONNECTOR >			
		< CAPACITOR >				CN605	1-568-838-11	CONNECTOR, FF	C 21P		
C550	1-115-467-11	CERAMIC CHIP	0.22	10%	10V			< IC >			
0000	1 110 107 11			1070	101	IC601		IC BU2092F-E2			
		< CONNECTOR >				IC602 IC603		IC BU2099FV IC RPM7238-H4	4		
* CN530	1-564-520-11	PLUG, CONNECT	OR 5P					< SHORT >			
		< JACK >				IDC01	1-216-864-11		0		
J521	1-566-891-21	JACK (PHONES)				JR601 JR602	1-216-864-11		0 0		
		,				JR603	1-216-296-00	SHORT CHIP	0		
		< SHORT >				JR604 JR605	1-216-296-00 1-216-296-00		0		
JR501	1-216-296-00	SHORT CHIP	0								
		< RESISTOR >				JR606 JR607	1-216-296-00 1-216-296-00		0		
		(1120101011)				JR608	1-216-296-00		0		
R521	1-216-206-00	RES-CHIP	2.2K	5%	1/8W	JR609	1-216-296-00	SHORT CHIP	0		
R522	1-216-206-00		2.2K	5%	1/8W	JR610	1-216-296-00	SHORT CHIP	0		
R523 R524	1-249-659-31 1-249-659-31		270 270	5% 5%	1/2W 1/2W	JR611	1-216-864-11	сиорт сиір	0		
R525	1-249-659-31		270	5%	1/2W	311011	1-210-004-11	SHORT CHIF	U		
R526	1 040 650 01	CADDON	270	E0/	1/2W			< LED >			
	1-249-659-31 *******	************		5% ******		LFD631	8-719-057-28	LED SML78420	C-TP15 (D	ISC INDI	CATOR 1)
								LED SML78420			
	1-688-413-11							LED SML78420			
		*******						LED SML78420			
		< CAPACITOR >				LED035	6-719-057-28	LED SML78420	,	IOU INDI	UATUK 5)
0070	1 160 004 11	CEDAMIC CUID	0.0045	100/	EOV.			< TRANSISTOR >	>		
C370 C371		CERAMIC CHIP CERAMIC CHIP	0.001uF 100PF	10% 5%	50V 50V	Q601	6-550-336-01	TRANSISTOR	FMA9AT1	48	
C371		CERAMIC CHIP	100PF	5%	50V 50V	Q602	6-550-336-01		FMA9AT1		
	•	-				Q603	6-550-336-01		FMA9AT1		

# KEY LED RMC LCD VOL

Ref. No.   Part No.   Description   Remark   Ref. No.   Part No.   No.   P												
Company   Com	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
Company   Com	Q604	6-550-336-01	TRANSISTOR	FMA9AT1	148		S334	1-771-410-21	SWITCH, TACTIL	E (TUNING	DOWN I	<b>**</b>
R310 1-216-335-11 METAL CHIP 15K 5% 1/10W R311 1-216-315-11 METAL CHIP 15K 5% 1/10W R312 1-216-335-11 METAL CHIP 15K 5% 1/10W R313 1-216-323-11 METAL CHIP 15K 5% 1/10W R314 1-216-323-11 METAL CHIP 15K 5% 1/10W R315 1-216-323-11 METAL CHIP 15K 5% 1/10W R316 1-216-323-11 METAL CHIP 15K 5% 1/10W R316 1-216-323-11 METAL CHIP 15K 5% 1/10W R316 1-216-323-11 METAL CHIP 15K 5% 1/10W R317 1-216-323-11 METAL CHIP 15K 5% 1/10W R318 1-216-323-11 METAL CHIP 3/K 5% 1/10W R319 1-216-323-11 METAL CHIP 3/K 5% 1/10W R319 1-216-335-11 METAL CHIP 5/K 5% 1/10W R319 1-216-335-11 METAL CHIP 5/K 5% 1/10W R319 1-216-335-11 METAL CHIP 5/K 5% 1/10W R319 1-216-335-11 METAL CHIP 15K 5% 1/10W R330 1-216-335-11 METAL CHIP 10K 5% 1/10W R331 1-216-32-11 METAL CHIP 50K 5% 1/10W R3												
R310												
R310   1-216-833-11 METAL CHIP   15K   5%   1/10W			< RESISTOR >					A-4733-394-A				
R311   -1216-816-11   METAL CHIP   390   5%   1/10W	D010	1 010 005 11	METAL CLUD	1.51/	E0/	1/10///			*****	******	**	
R312   1-216-839-11   METAL CHIP   1680   5%   1/10W   C102   1-128-111-11   ELECT   100µF   20%   25W   C3P									CADACITOD			
R313   1-216-823-11 METAL CHIP   1.5K   5%   1/10W   C103   1-18-436-11   CERAMIC CHIP   0.1uF   15W   15W   C104   1-16-436-11   CERAMIC CHIP   0.1uF   15W   C104   1-16-436-11   CERAMIC CHIP   0.1uF   15W   C105   1-126-286-11   CERAMIC CHIP   0.1uF   15W   C105   1-126-286-11   CERAMIC CHIP   0.1uF   15W   C105   1-126-286-11   CERAMIC CHIP   0.1uF									< CAPACITUR >			
R314   1-216-823-11 METAL CHIP   1.5K   5%   1/10W   104   164-880-11 GERAMIC CHIP   0-19F   169V   1871   1-216-823-11 METAL CHIP   1.5K   5%   1/10W   1-162-895-11 GERAMIC CHIP   0-19F   169V   1871   1-216-823-11 METAL CHIP   2.5K   5%   1/10W   1-162-895-11 GERAMIC CHIP   0-19F   5%   50V   1-216-823-11 METAL CHIP   3.5K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   15K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   15K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   15K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   15K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   15K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   15K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   10K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   10K   5%   1/10W   1-162-895-11 GERAMIC CHIP   100FF   5%   50V   1-216-833-11 METAL CHIP   10K   5%   1/10W   1-216-833-11 METAL												
R315		1-216-821-11	METAL CHIP								20%	
R315	R314	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	C103	1-164-360-11	CERAMIC CHIP	0.1uF		16V
R316							C104	1-164-360-11	CERAMIC CHIP	0.1uF		16V
R316	R315	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	C105	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
R313   -1216-827-11   METAL CHIP   3.3K   5%   1/10W     R319   -1216-829-11   METAL CHIP   6.8K   5%   1/10W     R320   -1216-833-11   METAL CHIP   10K   5%   1/10W     R330   -1216-833-11   METAL CHIP   10K   5%   1/10W     R331   -1216-835-11   METAL CHIP   10K   5%   1/10W     R331   -1216-835-11   METAL CHIP   10K   5%   1/10W     R331   -1216-831-11   METAL CHIP   30O   5%   1/10W     R331   -1216-831-11   METAL CHIP   10K   5%   1/10W     R332   -1216-831-11   METAL CHIP   10K   5%   1/10W     R333   -1216-821-11   METAL CHIP   10K   5%   1/10W     R334   -1216-823-11   METAL CHIP   10K   5%   1/10W     R334   -1216-823-11   METAL CHIP   10K   5%   1/10W     R336   -1216-823-11   METAL CHIP   10K   5%   1/10W     R331   -1216-823-11   METAL CHIP   56K   5%   1/10W     R331   -1216-823-11   METAL CHIP   50K   5%   1/10W     R331   -1216-182-00   MET												
R318   1-216-829-11   METAL CHIP   4.7K   5%   1/10W   C109   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   F38   10   F38   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   F38   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   F38   1-162-928-11   CERAMIC CHIP   10PF   5%   50V   F38   1-162-928-11   METAL CHIP   15K   5%   1/10W   R331   1-216-839-11   METAL CHIP   15K   5%   1/10W   R332   1-216-839-11   METAL CHIP   15K   5%   1/10W   C383   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   C383   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   C383   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   C384   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   C384   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   C384   1-162-927-11   CERAMIC CHIP   10PF   5%   50V   C385							0.01		021		• 70	
R390							C108	1-162-027-11	CERAMIC CHIP	100PF	5%	50\/
R320												
R320	K319	1-210-007-11	WETAL CHIP	0.8%	5%	1/1000					<b>5</b> %	
R330 1-216-838-11 METAL CHIP 15K 5% 1/10W R332 1-216-819-11 METAL CHIP 880 5% 1/10W R333 1-216-821-11 METAL CHIP 10 880 5% 1/10W R333 1-216-821-11 METAL CHIP 11K 5% 1/10W R334 1-216-822-11 METAL CHIP 11K 5% 1/10W R394 1-216-822-11 METAL CHIP 10K 5% 1/10W R805 1-216-833-11 METAL CHIP 10K 5% 1/10W R806 1-216-833-11 METAL CHIP 10K 5% 1/10W R807 1-216-833-11 METAL CHIP 10K 5% 1/10W R808 1-216-833-11 METAL CHIP 10K 5% 1/10W R809 1-216-833-11 METAL CHIP 10K 5% 1/10W R800 1-216-833-11 METAL CHIP 10K 5% 1/10W R801 1-216-833-11 METAL CHIP 10K 5% 1/10W R802 1-216-833-11 METAL CHIP 10K 5% 1/10W R802 1-216-833-11 METAL CHIP 10K 5% 1/10W R803 1-216-833-11 METAL CHIP 10K 5% 1/10W R804 1-216-833-11 METAL CHIP 10K 5% 1/10W R805 1-216-833-11 METAL CHIP 10K 5% 1/10W R806 1-216-833-11 METAL CHIP 10K 5% 1/10W R807 1-216-833-11 METAL CHIP 10K 5% 1/10W R808 1-216-833-11 METAL CHIP 10K 5% 1/10W R809 1-216-833-11 METAL CHIP 10K 5% 1/10W R801 1-216-842-11 METAL CHIP 56K 5% 1/10W R801 1-216-842-11 METAL CHIP 56K 5% 1/10W R801 1-216-842-11 METAL CHIP 56K 5% 1/10W R801 1-216-808-11 METAL CHIP 56K 5% 1/10W R801 1-216-808-11 METAL CHIP 56K 5% 1/10W R801 1-216-192-00 METAL CHIP 56K 5% 1/8W R802 1-216-192-00 METAL CHIP 56K 5% 1/8W R803 1-216-192-00 METAL CHIP 56K 5% 1/8W R804 1-216-192-00 METAL CHIP 56K 5% 1/8W R805 1-216-192-00 METAL CHIP 56K 5% 1/8W R806 1-216-192-00 METAL CHIP 56K 5% 1/8W R807 1-216-192-00 METAL CHIP 56K 5% 1/8W R808 1-216-192-00 METAL CHIP 56K 5% 1/8W R809 1-216-192-00 METAL CHIP 56K 5% 1/8W R801 1-216-192-00 METAL CHIP 56K 5% 1/8W R802 1-216-192-00 METAL CHIP 56K 5% 1/8W R803 1-216-192-00 METAL CHIP 56K 5% 1/8W R804 1-216-192-00 METAL CHIP 56K 5% 1/8W R805 1-216-192-00 METAL CHIP 56K 5% 1/8W R806 1-216-192-00 METAL CHIP 56K 5% 1/8W R807 1-216-192-00 METAL CHIP 56K 5% 1/8W R808 1-216-192-00 METAL CHIP 56K 5% 1/8W R809 1												
R331 1-216-819-11 METAL CHIP 80 5% 1/10W R333 1-216-821-11 METAL CHIP 1K 5% 1/10W R333 1-216-821-11 METAL CHIP 1K 5% 1/10W R333 1-216-821-11 METAL CHIP 1K 5% 1/10W R334 1-216-821-11 METAL CHIP 1K 5% 1/10W R335 1-216-821-11 METAL CHIP 1K 5% 1/10W R336 1-216-823-11 METAL CHIP 10K 5% 1/10W R337 1-216-823-11 METAL CHIP 10K 5% 1/10W R338 1-162-927-11 CERAMIC CHIP 100PF 5% 50V R339 1-216-833-11 METAL CHIP 10K 5% 1/10W R330 1-216-833-11 METAL CHIP 10K 5% 1/10W R330 1-216-833-11 METAL CHIP 10K 5% 1/10W R331 1-216-833-11 METAL CHIP 10K 5% 1/10W R332 1-216-833-11 METAL CHIP 10K 5% 1/10W R333 1-216-833-11 METAL CHIP 10K 5% 1/10W R334 1-216-833-11 METAL CHIP 10K 5% 1/10W R335 1-216-833-11 METAL CHIP 10K 5% 1/10W R336 1-216-833-11 METAL CHIP 10K 5% 1/10W R336 1-216-833-11 METAL CHIP 50K 5% 5/W R337 1-216-831-1 METAL CHIP 50K 5% 1/10W R338 1-216-831-1 METAL CHIP 50K 5% 1/10W R339 1-216-930-0 METAL CHIP 50K 5% 1/10W R339 1-216-192-00 METAL CHIP 50K 5% 1/8W R331 1-216-192-00 METAL												
R332   1-216-819-11   METAL CHIP   680   5%   1/10W   C362   1-162-927-11   CERAMIC CHIP   100PF   5%   50V			-				C361	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
R333 1-216-821-11 METAL CHIP 1K 5% 1/10W C363 1-162-927-11 CERAMIC CHIP 0.00Tμ 5% 50V C363 1-216-333-11 METAL CHIP 10K 5% 1/10W C363 1-162-927-11 CERAMIC CHIP 1.00F 5% 50V C363 1-216-333-11 METAL CHIP 10K 5% 1/10W C363 1-162-927-11 CERAMIC CHIP 1.00F 5% 50V C363 1-162-927-11 CERAMIC CHIP 1.00F 5% 50V C363 1-216-333-11 METAL CHIP 10K 5% 1/10W C363 1-162-927-11 CERAMIC CHIP 1.00F 5% 50V C363 1-162-927-11 CERAMIC CHIP 1.00F 5%	R331	1-216-816-11	METAL CHIP	390	5%	1/10W						
R333 1-216-821-11 METAL CHIP 1K 5% 1/10W C363 1-162-927-11 CERAMIC CHIP 0.00Tμ 5% 50V C363 1-216-333-11 METAL CHIP 10K 5% 1/10W C363 1-162-927-11 CERAMIC CHIP 1.00F 5% 50V C363 1-216-333-11 METAL CHIP 10K 5% 1/10W C363 1-162-927-11 CERAMIC CHIP 1.00F 5% 50V C363 1-162-927-11 CERAMIC CHIP 1.00F 5% 50V C363 1-216-333-11 METAL CHIP 10K 5% 1/10W C363 1-162-927-11 CERAMIC CHIP 1.00F 5% 50V C363 1-162-927-11 CERAMIC CHIP 1.00F 5%	R332	1-216-819-11	METAL CHIP	680	5%	1/10W	C362	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
R334												
R834 1-216-823-11 METAL CHIP 10K 5% 1/10W C366 1-162-927-11 CERAMIC CHIP 100PF 5% 50V R602 1-216-833-11 METAL CHIP 10K 5% 1/10W C366 1-162-927-11 CERAMIC CHIP 100PF 5% 50V C366 1-216-833-11 METAL CHIP 10K 5% 1/10W C367 1-162-96-11 CERAMIC CHIP 100PF 5% 50V C366 1-216-833-11 METAL CHIP 10K 5% 1/10W C368 1-162-927-11 CERAMIC CHIP 100PF 5% 50V C366 1-216-833-11 METAL CHIP 10K 5% 1/10W C368 1-162-927-11 CERAMIC CHIP 100PF 5% 50V C366 1-216-833-11 METAL CHIP 10K 5% 1/10W C368 1-162-927-11 CERAMIC CHIP 100PF 5% 50V C366 1-216-833-11 METAL CHIP 10K 5% 1/10W C368 1-162-927-11 CERAMIC CHIP 100PF 5% 50V C366 1-216-833-11 METAL CHIP 56K 5% 1/10W C368 1-162-927-11 CERAMIC CHIP 100PF 5% 50V C369 1-162-927-11 CERAMIC CHIP 100PF 5			•		- , •							
R601	D334	1_016_000_11	METAL CHID	1 5K	<b>5</b> 0/ <sub>-</sub>	1/10\\\						
R602 1-216-833-11 METAL CHIP 10K 5% 1/10W R604 1-216-833-11 METAL CHIP 10K 5% 1/10W R606 1-216-833-11 METAL CHIP 10K 5% 1/10W R607 1-216-833-11 METAL CHIP 10K 5% 1/10W R608 1-216-833-11 METAL CHIP 47 5% 1/10W R608 1-216-832-11 METAL CHIP 5K 5% 5% 1/10W R608 1-216-832-11 METAL CHIP 47 5% 1/10W R609 1-216-832-11 METAL CHIP 10D 5% 5/9 1/10W R6101 1-216-832-11 METAL CHIP 5K 5% 1/10W R6101 1-216-832-11 METAL CHIP 5K 5% 1/10W R6101 1-216-193-00 METAL CHIP 560 5% 1/8W R6101 1-216-193-00 METAL CHIP 560 5% 1/8W R6201 1-216-193-00 METAL CHIP 560 5% 1/8W R631 1-216-193-00 METAL CHIP 560												
R603 1-216-833-11 METAL CHIP 10K 5% 1/10W C367 1-162-927-11 CERAMIC CHIP 100F 5% 50V C368 1-162-927-11 CERAMIC CHIP 100PF 5% 50V C369 1-162-927-11 CERAMI			-				6300	1-102-927-11	CERAINIC CHIP	TOUPF	<b>5</b> %	507
R604   1-216-833-11   METAL CHIP   10K   5%   1/10W   C368   1-162-927-11   CERAMIC CHIP   10OPF   5%   50V   C369   1-162-920-11   CERAMIC CHIP   10OPF   5%   50V   C369   1-162-927-11   CERAMIC CHIP   10OPF   5%   50V   C369   1-162-930-11   CONNECTOR, FFC 19P   CN004   1-568-838-11   CONNECTOR, FFC 19P   CN004   CN												
R605 1-216-833-11 METAL CHIP 10K 5% 1/10W R606 1-216-833-11 METAL CHIP 10K 5% 1/10W R607 1-216-833-11 METAL CHIP 10K 5% 1/10W R608 1-216-803-11 METAL CHIP 10K 5% 1/10W R608 1-216-805-11 METAL CHIP 47 5% 1/10W R611 1-216-809-11 METAL CHIP 100 5% 1/10W R611 1-216-809-11 METAL CHIP 100 5% 1/10W R611 1-216-198-00 RES-CHIP 1K 5% 1/8W R612 1-216-192-00 METAL CHIP 560 5% 1/8W R618 1-216-192-00 METAL CHIP 560 5% 1/8W R619 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R624 1-216-192-00 METAL CHIP 560 5% 1/8W R625 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R627 1-216-192-00 METAL CHIP 560 5% 1/8W R628 1-216-192-00 METAL CHIP 560 5% 1/8W R629 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R624 1-216-192-00 METAL CHIP 560 5% 1/8W R625 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R627 1-216-192-00 METAL CHIP 560 5% 1/8W R628 1-216-192-00 METAL CHIP 560 5% 1/8W R629 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R624 1-216-192-00 METAL CHIP 560 5% 1/8W R625 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R627 1-216-192-00 METAL CHIP 560 5% 1/8W R628 1-216-192-00 METAL CHIP 560 5% 1/8W R629 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560				10K								
R605	R604	1-216-833-11	METAL CHIP	10K	5%	1/10W	C368	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
R606							C369	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
R606	R605	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R607	R606	1-216-833-11	MFTAL CHIP	10K	5%	1/10W			< CONNECTOR >			
R608 1-216-809-11 METAL CHIP 47 5% 1/10W CN001 1-784-780-11 CONNECTOR, FFC 19P (N004 1-568-838-11 CONNECTOR, FFC 19P (N004 1-568-838-11 CONNECTOR, FFC 21P (N004 1-568-83-11 CONNECTOR, FFC 21P (N004 1-568-838-11 CONNECTOR, FFC 21P (N004 1-568-83-81 10 CDN 1-266-96-00 NOT CHIP 0 NOT									( 001111201011 )			
R611							CNO01	1_79/1_790_11	CONNECTOR EE	C 10D		
R616 1-216-198-00 RES-CHIP 1K 5% 1/8W R617 1-216-192-00 METAL CHIP 560 5% 1/8W R618 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R624 1-216-192-00 METAL CHIP 560 5% 1/8W R625 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R627 1-216-192-00 METAL CHIP 560 5% 1/8W R628 1-216-192-00 METAL CHIP 560 5% 1/8W R629 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R624 1-216-192-00 METAL CHIP 560 5% 1/8W R625 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R627 1-216-296-00 SHORT CHIP 0 R628 1-216-192-00 METAL CHIP 560 5% 1/8W R629 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 SHORT CHIP 0 R625 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 SHORT CHIP 0 R625 1-216-192-00 SHORT CHIP 0 R626 1-216-192-00 SHORT CHIP 0 R627 1-216-296-00 SHORT CHIP 0 R628 1-216-296-00 SHORT CHIP 0 R629 1-216-296-00 SHORT									,			
R617	noii	1-210-009-11	WE TAL CHIP	100	370	1/1000	CN004	1-300-030-11	CONNECTOR, FF	6 Z I P		
R617	R616	1-216-198-00	RES-CHIP	1K	5%	1/8W			< IC >			
R618									(10)			
R619							10004	C 704 010 01	10 1 0750745			
R620   1-216-192-00   METAL CHIP   560   5%   1/8W							10001	0-704-218-01	IU LU/38/4E			
R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R624 1-216-192-00 METAL CHIP 560 5% 1/8W R625 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R627 1-216-192-00 METAL CHIP 560 5% 1/8W R628 1-216-192-00 METAL CHIP 560 5% 1/8W R629 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R624 1-216-192-00 METAL CHIP 560 5% 1/8W R625 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R627 1-216-192-00 METAL CHIP 560 5% 1/8W R628 1-216-192-00 METAL CHIP 560 5% 1/8W R629 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R622 1-216-192-00 METAL CHIP 560 5% 1/8W R623 1-216-192-00 METAL CHIP 560 5% 1/8W R624 1-216-192-00 METAL CHIP 560 5% 1/8W R625 1-216-192-00 METAL CHIP 560 5% 1/8W R626 1-216-192-00 METAL CHIP 560 5% 1/8W R627 1-216-192-00 METAL CHIP 560 5% 1/8W R628 1-216-192-00 METAL CHIP 560 5% 1/8W R629 1-216-192-00 METAL CHIP 560 5% 1/8W R620 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 METAL CHIP 560 5% 1/8W R621 1-216-192-00 SHORT CHIP 0 R622 1-216-192-00 SHORT CHIP 0 R625 1-216-192-00 SHORT CHIP 0 R626 1-216-296-00 SH												
R622   1-216-192-00   METAL CHIP   560   5%   1/8W   R623   1-216-192-00   METAL CHIP   560   5%   1/8W   R624   1-216-192-00   METAL CHIP   560   5%   1/8W   R625   1-216-192-00   METAL CHIP   560   5%   1/8W   JR103   1-216-296-00   SHORT CHIP   0   METAL	R620	1-216-192-00	METAL CHIP	560	5%	1/8W			< SHORT >			
R622   1-216-192-00   METAL CHIP   560   5%   1/8W   R623   1-216-192-00   METAL CHIP   560   5%   1/8W   R624   1-216-192-00   METAL CHIP   560   5%   1/8W   R625   1-216-192-00   METAL CHIP   560   5%   1/8W   JR103   1-216-296-00   SHORT CHIP   0   METAL CHIP   560   5%   1/8W   JR104   1-216-296-00   SHORT CHIP   0   METAL CHIP   560   5%   1/8W   JR105   1-216-296-00   SHORT CHIP   0   METAL CHIP   560   5%   1/8W   JR105   1-216-296-00   SHORT CHIP   0   METAL CHIP   560   5%   1/8W   JR105   1-216-296-00   SHORT CHIP   0   JR107   1-216-296-00   SHORT CHIP   0   JR108   1-216-296-00   SHOR	D601	1 016 100 00	METAL CUID	EGO	E 0/	1 /0\\/	ID101	1 016 006 00	CHUDT CHID	0		
R623   1-216-192-00   METAL CHIP   560   5%   1/8W   JR103   1-216-296-00   SHORT CHIP   0												
R624   1-216-192-00   METAL CHIP   560   5%   1/8W   JR105   1-216-296-00   SHORT CHIP   0												
R625 1-216-192-00 METAL CHIP 560 5% 1/8W  R626 1-216-192-00 METAL CHIP 560 5% 1/8W  R626 1-216-192-00 METAL CHIP 560 5% 1/8W  R626 1-216-192-00 METAL CHIP 560 5% 1/8W  R627 1-216-192-00 METAL CHIP 560 5% 1/8W  R628 1-216-192-00 METAL CHIP 560 5% 1/8W  R629 1-216-192-00 METAL CHIP 560 5% 1/8W  R620 1-216-192-00 SHORT CHIP 50 SHORT CHIP												
R626 1-216-192-00 METAL CHIP 560 5% 1/8W    SWITCH >   SWITCH >   SWITCH   SWITCH, TACTILE (DISC SELECT 1)   SWITCH, TACTILE (DISC SELECT 2)   SWITCH, TACTILE (DISC SELECT 3)   SWITCH, TACTILE (DISC SELECT 3)   SWITCH, TACTILE (DISC SELECT 5)   SWITCH, TACTILE (PAUSE/SET ■)   SWITCH, TACTILE (PAUSE/SET ■)   SWITCH, TACTILE (PAUSE/SET ■)   SWITCH, TACTILE (PRESET ►) (US)   SWITCH, TACTILE (ALBUM/PLAY LIST ▼)   LED205 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)   LED207 8-719-061-96 LED SLR-325DCT31		1-216-192-00	METAL CHIP	560		1/8W	JR104	1-216-296-00	SHORT CHIP	0		
SMITCH >   JR107	R625	1-216-192-00	METAL CHIP	560	5%	1/8W	JR105	1-216-296-00	SHORT CHIP	0		
SMITCH >   JR107												
SWITCH >   JR108   1-216-296-00   SHORT CHIP   0	R626	1-216-192-00	METAL CHIP	560	5%	1/8W	JR106	1-216-296-00	SHORT CHIP	0		
S311   1-771-410-21   SWITCH, TACTILE (DISC SELECT 1)   S312   1-771-410-21   SWITCH, TACTILE (DISC SELECT 2)   S313   1-771-410-21   SWITCH, TACTILE (DISC SELECT 3)   JR110   1-216-296-00   SHORT CHIP   0							JR107	1-216-296-00	SHORT CHIP	0		
S311   1-771-410-21   SWITCH, TACTILE (DISC SELECT 1)   S312   1-771-410-21   SWITCH, TACTILE (DISC SELECT 2)			< SWITCH >				JR108	1-216-296-00	SHORT CHIP	0		
S311   1-771-410-21   SWITCH, TACTILE (DISC SELECT 1)   S312   1-771-410-21   SWITCH, TACTILE (DISC SELECT 2)							JR109	1-216-296-00	SHORT CHIP	0		
S312   1-771-410-21   SWITCH, TACTILE (DISC SELECT 2)	S311	1-771-410-91	SWITCH TACTU	F (DISC SE	FLFCT 1\							
S313   1-771-410-21   SWITCH, TACTILE (DISC SELECT 3)     S314   1-771-410-21   SWITCH, TACTILE (DISC SELECT 4)     S315   1-771-410-21   SWITCH, TACTILE (DISC SELECT 5)     S316   1-771-410-21   SWITCH, TACTILE (EJECT ♠)     S317   1-771-410-21   SWITCH, TACTILE (EJECT ♠)     S318   1-771-410-21   SWITCH, TACTILE (STOP/CLEAR ■)     S319   1-771-410-21   SWITCH, TACTILE (REC ♠) (EXCEPT US)     S320   1-771-410-21   SWITCH, TACTILE (PRESET ▶) (US)     S331   1-771-410-21   SWITCH, TACTILE (PRESET ▶) (US)     S332   1-771-410-21   SWITCH, TACTILE (ALBUM/PLAY LIST ▶)     S333   1-771-410-21   SWITCH, TACTILE (ALBUM/PLAY LIST ▼)     S333   1-771-410-21   SWITCH, TACTILE (TUNING UP ▶▶)   ▶▶)      S314   1-771-410-21   SWITCH, TACTILE (ALBUM/PLAY LIST ▼)     LED207   8-719-061-96   LED   SLR-325DCT31 (ILLUMINATION)     LED208   8-719-061-96   LED   SLR-325DCT31 (ILLUMINATION)     LED209   8-719-061-96   LED   SLR-325DCT31 (ILLUMINATION)     LED209   8-719-061-96   LED   SLR-325DCT31 (ILLUMINATION)     LED209   8-719-061-96   LED   SLR-325DCT			· ·	,	,		011110	1 210 230-00	OHOLLI OHII	J		
S314   1-771-410-21   SWITCH, TACTILE (DISC SELECT 4)							10444	1 010 000 00	CHUDT CLUD	0		
S315   1-771-410-21   SWITCH, TACTILE (DISC SELECT 5)   JR202   1-216-864-11   SHORT CHIP   0												
S316   1-771-410-21   SWITCH, TACTILE (EJECT ♠)												
S316 1-771-410-21 SWITCH, TACTILE (EJECT ♠) S317 1-771-410-21 SWITCH, TACTILE (PAUSE/SET ■) S318 1-771-410-21 SWITCH, TACTILE (STOP/CLEAR ■) S319 1-771-410-21 SWITCH, TACTILE (PLAY MODE) (US) S319 1-771-410-21 SWITCH, TACTILE (REC ♠) (EXCEPT US)  S320 1-771-410-21 SWITCH, TACTILE (PRESET ►) (US) S320 1-771-410-21 SWITCH, TACTILE (PRESET ►) (EXCEPT US) S331 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ♠) S332 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ♠) S333 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼) LED206 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED206 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED207 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED207 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)	S315	1-771-410-21	SWITCH, TACTIL	.E (DISC SE	ELECT 5)		JR202			0		
S317   1-771-410-21   SWITCH, TACTILE (PAUSE/SET ■)							JR203	1-216-864-11	SHORT CHIP	0		
S318 1-771-410-21 SWITCH, TACTILE (STOP/CLEAR ■) S319 1-771-410-21 SWITCH, TACTILE (PLAY MODE) (US) S319 1-771-410-21 SWITCH, TACTILE (REC ●) (EXCEPT US)  S320 1-771-410-21 SWITCH, TACTILE (PRESET ►) (US) S320 1-771-410-21 SWITCH, TACTILE (PRESET ◄►) (EXCEPT US) S331 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▲) S332 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼) S333 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼) LED204 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED205 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED206 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED207 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)										5.0=:	.,	
S319 1-771-410-21 SWITCH, TACTILE (PLAY MODE) (US) S319 1-771-410-21 SWITCH, TACTILE (REC ●) (EXCEPT US)  S320 1-771-410-21 SWITCH, TACTILE (PRESET ►) (US) S320 1-771-410-21 SWITCH, TACTILE (PRESET ►) (EXCEPT US) S331 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▲) S332 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼) S333 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼) LED204 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED205 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED206 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) LED207 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)									< LIQUID CRYST	AL DISPLA	Y >	
S319 1-771-410-21 SWITCH, TACTILE (REC ●) (EXCEPT US)  S320 1-771-410-21 SWITCH, TACTILE (PRESET ►) (US)  S320 1-771-410-21 SWITCH, TACTILE (PRESET ◄►) (EXCEPT US)  S331 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▲)  S332 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼)  S333 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼)  S333 1-771-410-21 SWITCH, TACTILE (TUNING UP ►►I ►►)  S346 ED SLR-325DCT31 (ILLUMINATION)  LED206 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)  LED207 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)												
S319 1-771-410-21 SWITCH, TACTILE (REC ●) (EXCEPT US)  S320 1-771-410-21 SWITCH, TACTILE (PRESET ►) (US)  S320 1-771-410-21 SWITCH, TACTILE (PRESET ◄►) (EXCEPT US)  S331 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▲)  S332 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼)  S333 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼)  S333 1-771-410-21 SWITCH, TACTILE (TUNING UP ►►I ►►)  S346 ED SLR-325DCT31 (ILLUMINATION)  LED206 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)  LED207 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)	S319	1-771-410-21	SWITCH, TACTIL	E (PLAY M	IODE) (US	)	LCD001	1-805-322-11	DISPLAY PANEL	, LIQUID CF	RYSTAL	
S320   1-771-410-21   SWITCH, TACTILE (PRESET ►) (US)												
S320       1-771-410-21       SWITCH, TACTILE (PRESET ►) (US)         S320       1-771-410-21       SWITCH, TACTILE (PRESET ◄►) (EXCEPT US)         S331       1-771-410-21       SWITCH, TACTILE (ALBUM/PLAY LIST ▲)         S332       1-771-410-21       SWITCH, TACTILE (ALBUM/PLAY LIST ▼)         S333       1-771-410-21       SWITCH, TACTILE (TUNING UP ►►I ►►)             LED204       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         LED206       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         LED207       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)			- , <b>-</b>	, , , ,	,	,			< LED >			
S320       1-771-410-21       SWITCH, TACTILE (PRESET ♠) (EXCEPT US)       LED204       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         S331       1-771-410-21       SWITCH, TACTILE (ALBUM/PLAY LIST ♠)       LED205       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         LED206       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         LED207       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         LED208       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         LED209       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)	S320	1-771-410-21	SWITCH. TACTII	E (PRESFT	<b>►</b> ) (US)				· · · · ·			
S331       1-771-410-21       SWITCH, TACTILE (ALBUM/PLAY LIST ▲)       LED205       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         S332       1-771-410-21       SWITCH, TACTILE (ALBUM/PLAY LIST ▼)       LED206       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)         LED207       8-719-061-96       LED SLR-325DCT31 (ILLUMINATION)						(CEPT IIC)	I ED3U4	8-719-061-06	IED SIB-325D	CT31 /II I I	ΜΙΝΙΔΤΙΟ	)N)
S332 1-771-410-21 SWITCH, TACTILE (ALBUM/PLAY LIST ▼) LED206 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION) S333 1-771-410-21 SWITCH, TACTILE (TUNING UP ►►I ►►) LED207 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)												
S333 1-771-410-21 SWITCH, TACTILE (TUNING UP ►► ►►) LED207 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)			,	`		,						
LED208 8-719-061-96 LED SLR-325DCT31 (ILLUMINATION)	8333	1-//1-410-21	SWITCH, TACTIL	.E (TUNING	i UY ▶▶I	▶▶)						
							LED208	8-719-061-96	LED SLR-325D	CT31 (ILLU	MINATIC	N)

Rotation   Part No.   Description   Remark   Ref. No.   Part No.   Description   Remark   Ref. No.   Part No.   Description   Remark   Ref. No.   Description   Ref								LC	D VOL		LED	LEFT B	UTTO	N N	MAIN
LED208 8719-061-96 LED SLR-32500731 (LLUMINATION)	ļ	Ref. No.	Part No.	Description			Remai	<u>rk</u>	Ref. No.	<u>Ра</u>	art No.	•			<u>Remark</u>
LED218 8-719-061-96   LED SLR-3250CT31 (ILLUMINATION)		LED210 LED211	8-719-061-96 8-719-061-96	LED SLR-325D0 LED SLR-325D0	T31 (ILLUN T31 (ILLUN	ЛINATION ЛINATION	Í) I)					*****			
LED218 8-779-061-96   LED SLR-3250CT31 (ILLUMINATION)		LED212 LED213	8-719-061-96 8-719-061-96	LED SLR-325D0 LED SLR-325D0	T31 (ILLUN T31 (ILLUN	MINATION MINATION	I) I)		LED601	8-	719-063-93	LED SLR325VC		OT 11 1 11 <b>1</b>	AINIATIONIX
LED218									******	***	********	********	`		,
LED208   8-719-061-96   LED SLR-3250CT3   (ILLUMINATION)		LED217	8-719-061-96	LED SLR-325D0	T31 (ILLUN	/INATION	ĺ)			1-	688-407-11	******			
LED221   9-719-061-06   LED   SLR-326D0T31 (ILLUMINATION)   LED252   6-500-681-01   LED   SELU19100XMLF38 (LCD BACKLIGHT)   LED252   6-500-681-01   LED   SELU19100XMLF38 (LCD BACKLIGHT)   LED253   6-500-681-01   LED   SELU19100XMLF38 (LCD BACKLIGHT)   LED254   6-500-681-01   LED   SELU19100XMLF38 (LCD BACKLIGHT)   LED254   6-500-681-01   LED   SELU19100XMLF38 (LCD BACKLIGHT)   R336   1-216-823-11   METAL CHIP   2-2K   5%   1/10W   R105   1-216-809-11   METAL CHIP   47K   5%   1/10W   R105   1-216-809-11   METAL CHIP   15K   5%   1/10W   R105   1-216-809-11   METAL CHIP   100   5%   1/10W   R251   1-216-809-11   METAL CHIP   56K   5%   1/10W   R251   1-216-809-00   RES-CHIP   100   5%   1/10W   R251   1-216-809-00   RES-CHIP   100   5%   1/10W   R252   1-216-180-00   RES-CHIP   270   5%   1/8W   S335   1-771-410-21   SWITCH, TACTILE (PURCTION)   R252   1-216-180-00   RES-CHIP   270   5%   1/8W   S339   1-771-410-21   SWITCH, TACTILE (FURCTION)   R252   1-216-180-00   RES-CHIP   270   5%   1/8W   S339   1-771-410-21   SWITCH, TACTILE (FURCTION)   R252   1-216-180-00   RES-CHIP   270   5%   1/8W   S339   1-771-410-21   SWITCH, TACTILE (EBS)   R253   1-216-833-11   METAL CHIP   16K   5%   1/10W   R352   1-216-833-11   METAL CHIP   16K   5%   1/10W   R352   1-216-833-11   METAL CHIP   16K   5%   1/10W   R352   1-216-833-11   METAL CHIP   16K   5%   1/10W   R362   1-216-833-11									LED202	6-	500-641-01		RC (STANDE	BY/ON)	
R101   1-216-841-11   METAL CHIP   47K   5%   1/10W   R336   1-216-829-11   METAL CHIP   3.3K   5%   1/10W   R336   1-216-829-11   METAL CHIP   15K   5%   1/10W   R336   1-216-829-11   METAL CHIP   100   5%   1/10W   R346   1-216-192-00   METAL CHIP   6.8K   5%   1/10W   R346   1-216-192-00   METAL CHIP   6.8K   5%   1/10W   R346   1-216-192-00   METAL CHIP   100   5%		LED221 LED251	8-719-061-96 6-500-681-01	LED SLR-325D0 LED SELU19100	T31 (ILLUN XMLF38 (L	INATION .CD BACK	Í) (LIGHT)					LED SLR325VC			
RESISTOR															
R339   1-218-867-11   METAL CHIP   47K   5%   1/10W   R345   1-216-192-00   METAL CHIP   560   5%   1/10W   R345   1-216-192-00   METAL CHIP   560   5%   1/10W   R346   1-216-192-00   METAL CHIP   5%   5%   1/10W   R347   1-216-192-00   METAL CHIP   5%   5%   1/10W   R346   1-216-192-00   METAL CHIP   560   1/10W   R346   1-216-192-00   METAL CHIP		LED254	6-500-681-01		XMLF38 (L	.CD BACK	LIGHT	)	R337	1-	216-827-11	METAL CHIP	3.3K	5%	1/10W
R106		R101	1-216-841-11		47K	5%	1/10W	,							
R108   1-216-809-11   METAL CHIP   100   5%   1/10W		R106	1-216-809-11	METAL CHIP	100	5%	1/10W	/							
R110								- 1				< SWITCH >			
R251 1-216-180-00 RES-CHIP 180 5% 1/8W S337 1-771-410-21 SWITCH, TACTILE (GAND) R252 1-216-180-00 RES-CHIP 270 5% 1/8W S339 1-771-410-21 SWITCH, TACTILE (GEO) R253 1-216-184-00 RES-CHIP 270 5% 1/8W S339 1-771-410-21 SWITCH, TACTILE (GEO) R255 1-216-184-00 RES-CHIP 270 5% 1/8W R256 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-389-A MAIN BOARD, COMPLETE (US) R256 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-423-A MAIN BOARD, COMPLETE (US) R257 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-440-A MAIN BOARD, COMPLETE (GEP) R258 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-440-A MAIN BOARD, COMPLETE (GEP) R258 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-440-A MAIN BOARD, COMPLETE (GEP) R258 1-216-184-01 RES-CHIP 270 5% 1/8W A-4733-440-A MAIN BOARD, COMPLETE (GEP) R361 1-216-833-11 METAL CHIP 16K 5% 1/10W C007 1-126-965-11 ELECT 22UF 20% 50V R362 1-216-833-11 METAL CHIP 18K 5% 1/10W C011 1-165-621-11 (ERAMIC CHIP 0.1 UF 50V R363 1-216-833-11 METAL CHIP 10K 5% 1/10W R366 1-216-833-11 METAL CHIP 10K 5% 1/10W R366 1-216-833-11 METAL CHIP 10K 5% 1/10W R366 1-216-833-11 METAL CHIP 16K 5% 1/10W R368 1-216-833-11 METAL CHIP 16K 5% 1/10W R369 1-216-833-11 METAL CHIP 16K 5% 1/10W R369 1-216-833-11 METAL CHIP 16K 5% 1/10W R369 1-216-833-11 METAL CHIP 16K 5% 1/10W R370 1-216-833-11 METAL CHIP 16K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-833-11 METAL CHIP 10K 5% 1/10W R373 1-216-833-11 METAL CHIP 10K 5% 1/10W R374 1-216-833-11 METAL CHIP 10K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-833-11 METAL CHIP 10K 5% 1/10W R373 1-216-833-11 METAL CHIP 10K 5% 1/10W R374 1-216-833-11 METAL CHIP 10K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R376 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-833-11 METAL CHIP 10K 5% 1/10W R373 1-216-833-11 METAL CHIP 10K 5% 1/10W R374 1-216-833-11 METAL CHIP 10K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R376 1-216-833-11 METAL CHIP 10K 5% 1/10W R377 1-216-833-11 METAL CHIP 10K 5% 1/10W															
R254						5%	1/8W		S337	1-	771-410-21	SWITCH, TACTIL	E (BAND)	,	
R255 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-389-A MAIN BOARD, COMPLETE (US) R256 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-49-A MAIN BOARD, COMPLETE (E51, MX) R257 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-440-A MAIN BOARD, COMPLETE (AEP. UK) R258 1-216-184-00 RES-CHIP 270 5% 1/8W A-4733-440-A MAIN BOARD, COMPLETE (AEP. UK) R258 1-216-835-11 METAL CHIP 15K 5% 1/10W R361 1-216-835-11 METAL CHIP 10K 5% 1/10W C071 1-126-965-11 ELECT 22 UF 20% 50V R364 1-216-848-11 METAL CHIP 180K 5% 1/10W C011 1-165-621-11 CERAMIC CHIP 0.1 UF 50V R365 1-216-833-11 METAL CHIP 10K 5% 1/10W C011 1-165-621-11 CERAMIC CHIP 0.1 UF 50V R366 1-216-833-11 METAL CHIP 10K 5% 1/10W C013 1-126-947-11 ELECT 47 UF 20% 25V R366 1-216-843-11 METAL CHIP 10K 5% 1/10W C015 1-119-774-91 ELECT 100 UF 20% 16V R367 1-216-848-11 METAL CHIP 180K 5% 1/10W C015 1-119-774-91 ELECT 100 UF 20% 16V R369 1-216-848-11 METAL CHIP 180K 5% 1/10W C016 1-126-767-11 ELECT 100 UF 20% 16V R369 1-216-848-11 METAL CHIP 180K 5% 1/10W C016 1-126-767-11 ELECT 100 UF 20% 16V R370 1-216-833-11 METAL CHIP 180K 5% 1/10W C016 1-126-767-11 ELECT 100 UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C016 1-126-767-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C016 1-126-767-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C016 1-126-767-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C050 1-126-964-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C050 1-126-964-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C050 1-126-964-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C050 1-126-964-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C050 1-126-964-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C050 1-126-964-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C050 1-126-964-11 ELECT 10UF 20% 50V R371 1-216-833-11 METAL CHIP 10K 5% 1/10W C050 1-126-964-11 ELECT 10UF 20% 50V R373 1-216-835-11 ELECT 4.7 UF 20% 50V R374 1-216-833-11 METAL CHIP 68K												,	` ,	******	******
R256 1-216-184-00 RES-CHIP 270 5% 1/8W R258 1-216-184-00 RES-CHIP 270 5% 1/8W R361 1-216-843-11 METAL CHIP 15K 5% 1/10W R362 1-216-843-11 METAL CHIP 15K 5% 1/10W R363 1-216-843-11 METAL CHIP 15K 5% 1/10W R364 1-216-833-11 METAL CHIP 15K 5% 1/10W R365 1-216-833-11 METAL CHIP 15K 5% 1/10W R366 1-216-833-11 METAL CHIP 10K 5% 1/10W R367 1-216-843-11 METAL CHIP 10K 5% 1/10W R368 1-216-843-11 METAL CHIP 10K 5% 1/10W R369 1-216-843-11 METAL CHIP 10K 5% 1/10W R370 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5%											4700 000 4	MAIN BOARD O	OMEN ETE /	110)	
R257															
R358 1-216-835-11 METAL CHIP 15K 5% 1/10W C20 1-107-826-11 CERAMIC CHIP 0.1uF 10W C012 1-165-621-11 CERAMIC CHIP 0.1uF 50V C014 1-126-935-11 ELECT 47uF 20% 16V C015 1-119-774-91 ELECT 100uF 20% 16V C015 1-119-774-91 ELECT 100uF 20% 16V C015 1-126-64-11 ELECT 100uF 20% 16V C015 1-126-64-11 ELECT 100uF 20% 50V C017 1-126-964-11 ELECT 100uF 20% 50V C017 1-126-963-11 ELECT 47uF 20% 50V C017 1													,	,	
R361 1-216-833-11 METAL CHIP 10K 5% 1/10W R362 1-216-843-11 METAL CHIP 15K 5% 1/10W R363 1-216-835-11 METAL CHIP 15K 5% 1/10W R364 1-216-848-11 METAL CHIP 180K 5% 1/10W R365 1-216-833-11 METAL CHIP 10K 5% 1/10W R366 1-216-833-11 METAL CHIP 10K 5% 1/10W R367 1-216-833-11 METAL CHIP 10K 5% 1/10W R368 1-216-833-11 METAL CHIP 10K 5% 1/10W R369 1-216-848-11 METAL CHIP 15K 5% 1/10W R369 1-216-848-11 METAL CHIP 180K 5% 1/10W R370 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-833-11 METAL CHIP 10K 5% 1/10W R373 1-216-835-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-833-11 METAL CHIP 10K 5% 1/10W R373 1-216-835-11 METAL CHIP 10K 5% 1/10W R374 1-216-835-11 METAL CHIP 10K 5% 1/10W R375 1-216-835-11 METAL CHIP 10K 5% 1/10W R371 1-216-835-11 METAL CHIP 10K 5% 1/10W R372 1-216-835-11 METAL CHIP 10K 5% 1/10W R373 1-216-835-11 METAL CHIP 10K 5% 1/10W R374 1-216-848-11 METAL CHIP 10K 5% 1/10W R375 1-216-835-11 METAL CHIP 10K 5% 1/10W R371 1-216-835-11 METAL CHIP 10K 5% 1/10W R372 1-216-835-11 METAL CHIP 10K 5% 1/10W R373 1-216-835-11 METAL CHIP 10K 5% 1/10W R374 1-216-848-11 METAL CHIP 10K 5% 1/10W R375 1-216-835-11 METAL CHIP 10K 5% 1/10W R371 1-216-835-11 METAL CHIP												,	,		
R362 1-216-843-11 METAL CHIP 15K 5% 1/10W C007 1-126-965-11 ELECT 22uF 20% 50V C012 1-165-821-11 CERAMIC CHIP 0.1uF 50V C013 1-126-935-11 ELECT 47uF 20% 25V C014 1-126-935-11 ELECT 47uF 20% 16V C015 1-119-774-91 ELECT 100uF 20% 16V C017 1-126-964-11 ELECT 10uF 20% 50V C017 1-126-964-11 ELECT 10uF 20% 50V C017 1-126-964-11 ELECT 10uF 20% 50V C018 1-126-833-11 METAL CHIP 10K 5% 1/10W C019 1-119-772-11 ELECT 10uF 20% 50V C017 1-126-964-11 ELECT 10uF 20% 50V C017 1-126-963-11 ELECT 47uF 20% 25V C0477 1-126-963-11 ELECT 47uF 20% 25V C0477 1-126-963-11 ELECT 47uF 20% 50V C0477 1-126-963-11 E								- 1				< CAPACITOR/SI	HORT >		
R363 1-216-835-11 METAL CHIP 15K 5% 1/10W C017 1-126-965-11 ELECT 22uF 50V S0V R364 1-216-848-11 METAL CHIP 180K 5% 1/10W C011 1-165-621-11 CERAMIC CHIP 0.1uF 50V C012 1-165-621-11 CERAMIC CHIP 0.1uF 50V C013 1-126-947-11 ELECT 47uF 20% 25V C012 1-126-843-11 METAL CHIP 180K 5% 1/10W C014 1-126-935-11 ELECT 100uF 20% 16V C015 1-119-774-91 ELECT 100uF 20% 16V C017 1-126-964-11 ELECT 10uF 20% 50V C019 1-119-772-11 ELECT 10uF 20% 50V C019 1-119-772-11 ELECT 10uF 20% 50V C019 1-126-963-11								- 1	COU	1.	.107_926_11	CEDVIVIC CHID	Λ 1μE	10%	16\/
R364 1-216-848-11 METAL CHIP 180K 5% 1/10W C011 1-165-621-11 CERAMIC CHIP 0.1uF 50V C012 1-165-621-11 CERAMIC CHIP 0.1uF 50V C012 1-165-621-11 CERAMIC CHIP 0.1uF 50V C013 1-126-833-11 METAL CHIP 10K 5% 1/10W C013 1-126-947-11 ELECT 47uF 20% 25V C013 1-126-947-11 ELECT 47uF 20% 25V C014 1-216-843-11 METAL CHIP 68K 5% 1/10W C014 1-126-935-11 ELECT 47uF 20% 16V C017 1-126-948-11 METAL CHIP 15K 5% 1/10W C015 1-119-774-91 ELECT 100uF 20% 16V C017 1-126-964-11 ELECT 10uF 20% 50V C017 1-126-964-11 ELECT 10uF 20% 50V C017 1-126-833-11 METAL CHIP 10K 5% 1/10W C018 1-124-584-00 ELECT 10uF 20% 50V C018 1-124-584-00 ELECT 10uF 20% 50V C018 1-126-843-11 METAL CHIP 15K 5% 1/10W C019 1-119-772-11 ELECT 47uF 20% 25V C019 1-126-848-11 METAL CHIP 15K 5% 1/10W C019 1-119-772-11 ELECT 47uF 20% 50V C019 1-126-964-11 ELECT 10uF 20% 50V C019 1-126-964-11 ELECT 10uF 20% 50V C019 1-126-963-11 ELECT 47uF 20% 50V															
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R367 1-216-843-11 METAL CHIP 68K 5% 1/10W R368 1-216-835-11 METAL CHIP 15K 5% 1/10W R369 1-216-848-11 METAL CHIP 180K 5% 1/10W R370 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-843-11 METAL CHIP 10K 5% 1/10W R373 1-216-843-11 METAL CHIP 15K 5% 1/10W R374 1-216-835-11 METAL CHIP 15K 5% 1/10W R375 1-216-835-11 METAL CHIP 15K 5% 1/10W R375 1-216-835-11 METAL CHIP 10K 5% 1/10W R371 1-216-835-11 METAL CHIP 15K 5% 1/10W R372 1-216-835-11 METAL CHIP 15K 5% 1/10W R373 1-216-835-11 METAL CHIP 15K 5% 1/10W R374 1-216-835-11 METAL CHIP 15K 5% 1/10W R375 1-216-836-11 SW, RTRY EC12E24604-30MM (VOLUME)  S301 1-786-396-11 SW, RTRY EC12E24604-30MM (VOLUME) S302 1-478-082-11 ENCODER, ROTARY (BASS) S303 1-478-082-11 ENCODER, ROTARY (TREBLE/MIDDLE)  ***********************************								- 1	C013	1-	126-947-11	ELECT	47uF	20%	25V
R368 1-216-835-11 METAL CHIP 15K 5% 1/10W R369 1-216-848-11 METAL CHIP 180K 5% 1/10W R370 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-843-11 METAL CHIP 10K 5% 1/10W R373 1-216-835-11 METAL CHIP 15K 5% 1/10W R374 1-216-835-11 METAL CHIP 15K 5% 1/10W R375 1-216-833-11 METAL CHIP 180K 5% 1/10W R375 1-216-833-11 METAL CHIP 180K 5% 1/10W R370 1-216-848-11 METAL CHIP 15K 5% 1/10W R371 1-216-848-11 METAL CHIP 15K 5% 1/10W R372 1-216-835-11 METAL CHIP 15K 5% 1/10W R373 1-216-835-11 METAL CHIP 15K 5% 1/10W R374 1-216-848-11 METAL CHIP 180K 5% 1/10W R375 1-216-833-11 METAL CHIP 180K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R376 1-216-833-11 METAL CHIP 10K 5% 1/10W R377 1-126-963-11 ELECT 47uF 20% 50V R378 1-216-833-11 METAL CHIP 10K 5% 1/10W R379 1-216-833-11 METAL CHIP 10K 5% 1/10W R370 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-848-11 METAL CHIP 10K 5% 1/10W R371 1-216-848-11 METAL CHIP 10K 5% 1/10W R372 1-216-848-11 METAL CHIP 10K 5% 1/10W R373 1-216-848-11 METAL CHIP 10K 5% 1/10W R371 1-126-963-11 ELECT 47uF 20% 50V R370 1-126-833-11 ELECT 4.7uF 20% 50V R370 1-1786-396-11 SW, RTRY EC12E24604-30MM (VOLUME) R371 1-216-833-11 ELECT 4.7uF 20% 50V R371 1-786-396-11 ENCODER, ROTARY (BASS) R372 1-216-833-11 ELECT 4.7uF 20% 50V R373 1-216-833-11 ELECT 4.7uF 20% 50V R374 1-216-833-11 ELECT 4.7uF 20% 50V R375 1-216-833-11 ELECT 4.7uF 20% 50V R370 1-786-396-11 ENCODER, ROTARY (TREBLE/MIDDLE) R371 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V								- 1	004.4		100 005 11	EL EOT	470 5	000/	401/
R369 1-216-848-11 METAL CHIP 180K 5% 1/10W															
R370 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-843-11 METAL CHIP 68K 5% 1/10W R373 1-216-835-11 METAL CHIP 15K 5% 1/10W R374 1-216-848-11 METAL CHIP 180K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W CSWITCH >  C017 1-126-964-11 ELECT 10uF 20% 50V C018 1-124-584-00 ELECT 10uF 20% 50V C019 1-119-772-11 ELECT 47uF 20% 50V C050 1-126-964-11 ELECT 10uF 20% 50V C050 1-126-964-11 ELECT 47uF 20% 50V C050 1-126-963-11 ELECT 47uF 20% 50V C050 1-124-261-91 ELECT 10uF 20% 50V C050 1-126-963-11 ELECT 47uF 20% 50V C								- 1							
R370 1-216-833-11 METAL CHIP 10K 5% 1/10W R371 1-216-833-11 METAL CHIP 10K 5% 1/10W R372 1-216-843-11 METAL CHIP 68K 5% 1/10W R373 1-216-835-11 METAL CHIP 15K 5% 1/10W R374 1-216-848-11 METAL CHIP 180K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R376 1-26-947-11 ELECT 47uF 20% 50V R377 1-126-963-11 ELECT 4.7uF 20% 50V R378 1-216-833-11 METAL CHIP 10K 5% 1/10W R379 1-216-833-11 METAL CHIP 10K 5% 1/10W R370 1-786-396-11 SW, RTRY EC12E24604-30MM (VOLUME) R370 1-786-396-11 ENCODER, ROTARY (BASS) R371 1-786-396-11 ENCODER, ROTARY (TREBLE/MIDDLE)  ***********************************		11000	1 210 010 11	WEINE OITH	10010	0 70	17 10 11	·							
R372 1-216-843-11 METAL CHIP 68K 5% 1/10W R373 1-216-835-11 METAL CHIP 15K 5% 1/10W R374 1-216-848-11 METAL CHIP 180K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W R375 1-216-833-11 METAL CHIP 10K 5% 1/10W  C019 1-119-772-11 ELECT 47uF 20% 50V C050 1-126-964-11 ELECT 47uF 20% 50V C477 1-126-963-11 ELECT 4.7uF 20% 50V C501 1-124-261-91 ELECT 10uF 20% 50V C501 1-124-261-91 ELECT 10uF 20% 50V C503 1-126-963-11 ELECT 10uF 20% 50V C503 1-126-963-11 ELECT 4.7uF 20% 50V C504 1-126-963-11 ELECT 4.7uF 20% 50V C505 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C507 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C508 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C508 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V		R370	1-216-833-11	METAL CHIP	10K	5%	1/10W	/		1-	124-584-00	ELECT			
R373 1-216-835-11 METAL CHIP 15K 5% 1/10W C050 1-126-964-11 ELECT 10uF 20% 50V C477 1-126-963-11 ELECT 47uF 20% 50V C477 1-126-963-11 ELECT 10uF 20% 50V C501 1-124-261-91 ELECT 10uF 20% 50V C503 1-126-963-11 ELECT 10uF 20% 50V C503 1-126-963-11 ELECT 10uF 20% 50V C503 1-126-963-11 ELECT 4.7uF 20% 50V C504 1-126-963-11 ELECT 4.7uF 20% 50V E		R371	1-216-833-11	METAL CHIP	10K	5%	1/10W	/							
R374 1-216-848-11 METAL CHIP 180K 5% 1/10W C052 1-126-947-11 ELECT 47uF 20% 50V C477 1-126-963-11 ELECT 4.7uF 20% 50V C501 1-124-261-91 ELECT 10uF 20% 50V C501 1-124-261-91 ELECT 10uF 20% 50V C503 1-126-963-11 ELECT 4.7uF 20% 50V C503 1-126-963-11 ELECT 10uF 20% 50V C503 1-126-963-11 ELECT 4.7uF 20% 50V C504 1-126-963-11 ELECT 4.7uF 20% 50V ELECT 1.0uF 20% 50V E															
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R375 1-216-833-11 METAL CHIP 10K 5% 1/10W C501 1-124-261-91 ELECT 10uF 20% 50V		K3/4	1-216-848-11	WE TAL CHIP	IBUK	5%	1/10W	<b>'</b>							
S301 1-786-396-11 SW, RTRY EC12E24604-30MM (VOLUME) S302 1-478-082-11 ENCODER, ROTARY (BASS) S303 1-478-082-11 ENCODER, ROTARY (TREBLE/MIDDLE) ************************************		R375	1-216-833-11	METAL CHIP	10K	5%	1/10W	/							
S301 1-786-396-11 SW, RTRY EC12E24604-30MM (VOLUME) S302 1-478-082-11 ENCODER, ROTARY (BASS) S303 1-478-082-11 ENCODER, ROTARY (TREBLE/MIDDLE) ************************************				< SWITCH >											
S302 1-478-082-11 ENCODER, ROTARY (BASS) C507 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C508 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V C508 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V		0004	4 700 000 41	OW DTDV 50455	04004 001	INA (1401 11	IN 45.								
S303 1-478-082-11 ENCODER, ROTARY (TREBLE/MIDDLE) C508 1-107-826-11 CERAMIC CHIP 0.1uF 10% 16V						IIVI (VULU	IIVIE)								
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# MAIN

Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
C518	1-104-665-11	FLECT	100uF	20%	10V	C676	1-126-960-11	FLECT	1uF	20%	50V
C519	1-104-665-11		100uF	20%	10V	0070	1 120 000 11	LLLOT	Tui	2070	001
C601	1-124-261-00		10uF	20%	50V	C677	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C602	1-124-261-00		10uF	20%	50V	C682	1-137-367-11		0.0033uF	5%	50V
0002	1 124 201 00	LLLOI	Toul	20 /0	30 V	C683	1-137-367-11		0.0033uF	5%	50V
C603	1-119-774-11	FLECT	100uF	20%	16V	C684	1-136-159-00		0.033uF	5%	50V
C604	1-126-163-11		4.7uF	20%	50V	C685	1-136-159-00		0.033uF	5%	50V
C606		CERAMIC CHIP	0.1uF	10%	16V	0003	1-130-133-00	IILIVI	0.00001	J /0	30 V
C607		CERAMIC CHIP	100PF	5%	50V	C686	1-126-963-11	FLECT	4.7uF	20%	50V
0007	1-102-321-11	OLITAIVIIO OTIII	10011	J /0	(AEP, UK)	C687	1-126-963-11		4.7uF	20%	50V
C608	1 160 007 11	CEDAMIC CUID	100PF	5%	50V	C691	1-126-963-11			20%	50V 50V
6000	1-102-927-11	CERAMIC CHIP	TUUPF	370		C692	1-126-963-11		4.7uF 4.7uF	20%	50V 50V
					(AEP, UK)						
0010	1 100 000 11	EL EOT	4.7	000/	F0\/	C693	1-124-465-00	ELECT	0.47uF	20%	50V
C610	1-126-963-11		4.7uF	20%	50V	0004	1 010 001 11	OLIODE OLUD	0		
C611	1-126-163-11		4.7uF	20%	50V	C694	1-216-864-11		0		
C613	1-126-163-11		4.7uF	20%	50V	C696	1-136-169-00		0.22uF	5%	50V
C614		CERAMIC CHIP	0.001uF	5%	25V	C697	1-136-169-00		0.22uF	5%	50V
C615	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	C700		CERAMIC CHIP	0.47uF		25V
						C702	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C617	1-124-261-00	ELECT	10uF	20%	50V						
C618	1-124-261-00	ELECT	10uF	20%	50V	C790	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C619	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V	C791	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C621	1-136-157-00	FILM	0.022uF	5%	50V	C792	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C622	1-136-157-00	FILM	0.022uF	5%	50V	C866	1-126-964-11		10uF	20%	50V
			****	- / -							(AEP, UK)
C623	1-126-160-11	FLECT	1uF	20%	50V	C867	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C624	1-126-160-11		1uF	20%	50V	0007	1 102 070 11	OLIWWIO OIM	0.0141	1070	(AEP, UK)
C625	1-136-161-00		0.047uF	5%	50V						(ALI, OK)
	1-136-161-00		0.047uF	5%	50V	0070	1 160 067 11	CERAMIC CHIP	0.0033uF	100/	50V
C626						C872				10%	
C627	1-137-457-11	WYLAK	0.0027uF	5%	50V	C873		CERAMIC CHIP			50V
0000	4 407 457 44	10/1.45	0.0007.5	<b>5</b> 0/	5017	C876	1-126-963-11		4.7uF	20%	50V
C628	1-137-457-11		0.0027uF		50V	C882	1-126-963-11		4.7uF	20%	50V
C629	1-126-163-11		4.7uF	20%	50V	C883	1-126-963-11	ELECT	4.7uF	20%	50V
C630	1-126-963-11		4.7uF	20%	50V						
C631	1-136-169-00		0.22uF	5%	50V	C892	1-126-947-11		47uF	20%	16V
C632	1-136-169-00	FILM	0.22uF	5%	50V	C894	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C901	1-104-665-11	ELECT	100uF	20%	10V
C633	1-136-157-00	FILM	0.022uF	5%	50V	C905	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C634	1-136-157-00	FILM	0.022uF	5%	50V	C906	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C635	1-136-169-00	FILM	0.22uF	5%	50V						
C636	1-136-169-00		0.22uF	5%	50V	C908	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C637	1-126-964-11		10uF	20%	50V	C909		CERAMIC CHIP	0.0018uF	10%	50V
000.				2070		C910			18PF	5%	50V
C640	1-126-947-11	FLECT	47uF	20%	16V	C911		CERAMIC CHIP	22PF	5%	50V
C641	1-126-947-11		47uF	20%	16V	C912		CERAMIC CHIP	1200PF	5%	16V
C643	1-126-963-11		4.7uF	20%	50V	0312	1 104 070 11	OLITAWIO OTIII	120011	<b>J</b> /0	101
C645	1-124-234-00		22uF	20%	16V	C913	1_16/1_670_11	CERAMIC CHIP	1200PF	5%	16V
C653			470PF		50V	C914		CERAMIC CHIP	0.1uF		16V
6000	1-102-902-11	CERAMIC CHIP	4/027	10%	30 V					10%	
0054	4 404 000 44	OED ANAIO OLUD	07005	F0/	501/	C915		CERAMIC CHIP	0.0022uF	10%	50V
C654		CERAMIC CHIP	270PF	5%	50V	C916		CERAMIC CHIP	0.0022uF		50V
C655		CERAMIC CHIP	270PF	5%	50V	C917	1-164-6/0-11	CERAMIC CHIP	1200PF	5%	16V
C656		CERAMIC CHIP	0.1uF	10%	16V	_					
C657	1-119-774-11	ELECT	100uF	20%	16V	C918		CERAMIC CHIP	1200PF	5%	16V
					(US)	C919	1-164-670-11	CERAMIC CHIP	1200PF	5%	16V
C657	1-126-933-11	ELECT	100uF	20%	16V	C920	1-115-156-11	CERAMIC CHIP	1uF		10V
				(E	XCEPT US)	C921	1-115-156-11	CERAMIC CHIP	1uF		10V
						C922	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C661	1-162-960-11	CERAMIC CHIP	220PF	10%	50V						
C662	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	C923	1-115-156-11	CERAMIC CHIP	1uF		10V
C663	1-124-261-00		10uF	20%	50V	C924		DOUBLE LAYER	0.22F		50V
C664	1-124-261-00		10uF	20%	50V	C925		CERAMIC CHIP	0.1uF	10%	16V
C665		CERAMIC CHIP	220PF	2%	50V	C926		CERAMIC CHIP	0.001uF	10%	50V
0000	10 <del>1</del> -010-11	OFTIVINO OTHE	22011	<u>~</u> /0	00 V	C920	1-102-904-11		10uF	20%	50V 50V
Ceee	1_16/ 010 11	CERAMIC CHIP	220PF	2%	50V	0921	1-120-904-11	LLLUI	TUUF	ZU /0	JU V
C666						0000	1 100 005 11	EL ECT	00	200/	EOV/
C668	1-124-589-11	ELEUI	47uF	20%	16V	C928	1-126-965-11		22uF	20%	50V
0000	4 407 000 41	OFDAMA OUT	0.4.5	4007	(AEP, UK)	C930		CERAMIC CHIP	0.001uF	10%	50V
C669	1-10/-826-11	CERAMIC CHIP	0.1uF	10%	16V	C931	1-126-964-11		10uF	20%	50V
					(AEP, UK)	C932		CERAMIC CHIP	0.1uF	10%	16V
C675	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V	C933	1-128-551-11	ELECI	22uF	20%	25V

MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description		<u>Remark</u>
C934	1-126-933-11	-	100uF	20%	16V	D910	8-719-423-10	DIODE MA810	N-M-TX	
C935		CERAMIC CHIP	0.022uF	10%	25V	D310	0 7 13 420 10	DIODE WAOTO	O W TX	
C936	1-126-933-11		100uF	20%	16V	D911	8-719-988-61	DIODE 1SS355	TE-17	
C938	1-126-960-11	ELECT	1uF	20%	50V					
C939		CERAMIC CHIP	0.1uF		25V			< IC >		
0040	1 106 767 11	ELECT	1000	200/	16\/	10101	0.750.001.57	IC TA7010C		
C940 C943	1-126-767-11	CERAMIC CHIP	1000uF 0.001uF	20% 10%	16V 50V	IC101 IC501	8-759-231-57	IC BU4052BCF	: F0	
C943		CERAMIC CHIP	0.001uF 0.001uF		50V 50V	1		IC M61529FP-		
		CERAMIC CHIP	0.00 TuF 0.1uF	10%		10601				
C945				10%	16V	10603		IC NJM2156M		I OUT)
C946	1-102-927-11	CERAMIC CHIP	100PF	5%	50V	IC604	6-600-234-01	IC GPTFASTST.	Z (DIGITAL OPTICA	(AEP. UK)
C948	1-162-927-11	CERAMIC CHIP	100PF	5%	50V					(1211 011)
C949	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC701	6-704-046-01	IC BU2099FV		
C950	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC703	6-704-046-01	IC BU2099FV		
C951	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC901	6-803-325-01	IC uPD703260	YGF-S04-JBT-A	
C952	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	IC902	6-704-798-01			
						IC904	8-759-533-04	IC M62703ML-	-E1	
C953	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V					
C954	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V	IC905	6-704-135-01	IC MM1614A		
C955	1-162-927-11	CERAMIC CHIP	100PF	5%	50V					
C956	1-162-927-11	CERAMIC CHIP	100PF	5%	50V			< JACK >		
C957	1-162-927-11	CERAMIC CHIP	100PF	5%	50V					
						JK602	1-779-902-21	JACK, PIN 4P (A	AUX IN/OUT)	
C958	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	JK603	1-774-227-11	JACK, PIN 1P (\	/IDEO OUT)	
C959	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V					
C960	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V			< SHORT >		
C961	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V					
C962	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	JR001	1-216-296-00	SHORT CHIP	0	
						JR002	1-216-296-00	SHORT CHIP	0	
C963	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	JR501	1-216-864-11	SHORT CHIP	0	
						JR502	1-216-296-00		0	
		< CONNECTOR >				JR503	1-216-864-11		0	
CN004	1-784-778-11	CONNECTOR, FFO	C 17P			JR601	1-216-296-00	SHORT CHIP	0	
CN006	1-564-509-11	PLUG, CONNECT	OR 6P			JR607	1-216-864-11	SHORT CHIP	0	
CN007		PLUG, CONNECT				JR610	1-216-864-11		0	
CN009		CONNECTOR, FFO		EPT US)		JR611	1-216-864-11		0	
CN502		CONNECTOR, FFO				JR612	1-216-864-11		0	
CN504	1-784-766-11	CONNECTOR, FFO	C 5P (E51, I	ΛX)		JR613	1-216-864-11	SHORT CHIP	0	
CN507	1-779-279-11	CONNECTOR, FFO	C (LIF (NON	-ZIF)) 11	P	JR614	1-216-864-11	SHORT CHIP	0	
CN508	1-784-776-11	CONNECTOR, FFO	C 15P (AEP.	UK)		JR615	1-216-864-11	SHORT CHIP	0	
CN509	1-568-830-11	CONNECTOR, FFO	C 11P (EXCI	EPT AEP,	UK)	JR616	1-216-864-11	SHORT CHIP	0	
CN901	1-779-295-11	CONNECTOR, FFO	C (LIF (NON	-ZIF)) 27	P	JR617	1-216-864-11	SHORT CHIP	0	
ONIOOO	1 770 001 11	CONNECTOR FE	0 /LIE /NON	715\\ 00	ND.	IDCOO	1 010 004 11	CHODE OHID	0	
CN902		CONNECTOR, FFO			5P	JR620	1-216-864-11		0	
CN903		CONNECTOR, FFO		21 05)		JR621	1-216-864-11		0	
CN905		CONNECTOR, FFO				JR624	1-216-864-11		0 (US, AEP, UK)	
CN999	1-568-826-11	CONNECTOR, FFO	5 /P			JR701	1-216-296-00		0	
		< DIODE >				JR702	1-216-864-11	SHURT CHIP	0	
		( DIODE )				JR703	1-216-864-11	SHORT CHIP	0	
D015	8-719-421-18	DIODE MA8033	-I -TX			JR704	1-216-864-11		0	
D016		DIODE 1SS3551				JR705	1-216-864-11		0	
D017		DIODE 1SS3551				JR706	1-216-864-11		0	
D018		DIODE 1SS3551				JR707	1-216-864-11		0	
D050		DIODE 1SS3551				011707	1 210 001 11	0110111 01111	•	
						JR708	1-216-864-11	SHORT CHIP	0	
D501	8-719-083-58	DIODE UDZSTE	-173.9B			JR709	1-216-864-11		0	
D611	8-719-988-61	DIODE 1SS3551	ΓE-17			JR801	1-216-296-00	SHORT CHIP	0	
D612		DIODE 1SS3551				JR802	1-216-864-11		0	
D613		DIODE 1SS3551				JR901	1-216-864-11		0	
D902		DIODE 1SS3557						- ··· <b>-····</b>	-	
						JR902	1-216-864-11	SHORT CHIP	0	
D904		DIODE 1SS3557				JR903	1-216-864-11		0	
D905		DIODE 1SS3551				JR904	1-216-296-00		0	
D906		DIODE 1SS3551				JR905	1-216-296-00		0	
D907	8-719-988-61	DIODE 1SS3551	ΓE-17 (EXCE	PT US)		JR906	1-216-296-00	SHORT CHIP	0	

# MAIN

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
JR907	1-216-864-11	SHORT CHIP	0			R515	1-216-837-11	METAL CHIP	22K	5%	1/10W
JR908	1-216-864-11	SHORT CHIP	0 (AEP, U	K)		R516	1-216-837-11	METAL CHIP	22K	5%	1/10W
		< SHORT >				R517	1-216-174-11		100	5%	1/8W
1.004	4 040 005 44	OLIODE OLUD	0			R518	1-216-174-11		100	5%	1/8W
L901	1-216-365-11	SHURT CHIP	0			R520 R521	1-216-853-11 1-216-864-11		470K 0	5%	1/10W
		< TRANSISTOR >							-		
005	8-729-027-46	TDANCICTOR	DTC114Y	VA T140		R522	1-216-864-11		0		
Q25 Q018	8-729-027-46		2SC3052F			R523 R524	1-216-864-11 1-216-864-11		0		
Q019	8-729-024-93		2SB1370-			R525	1-216-809-11		100	5%	1/10W
Q024	8-729-801-84		2SB1013-			R526	1-216-809-11	METAL CHIP	100	5%	1/10W
Q050	8-729-120-28	TRANSISTOR	2SC3052I	11-LF		R527	1-216-809-11	METAL CHIP	100	5%	1/10W
Q051	8-729-201-53	TRANSISTOR	2SA1015	TP-GR		R528	1-216-809-11		100	5%	1/10W
Q602	8-729-120-28		2SC3052I			R529	1-216-809-11		100	5%	1/10W
Q604	8-729-052-79		2SD1306			R530	1-216-809-11		100	5%	1/10W
Q605 Q607	8-729-120-28 8-729-052-79		2SC3052F 2SD1306F			R531	1-216-809-11	METAL CHIP	100	5%	1/10W
4001	0 720 002 70	1100001011	2001000			R601	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q608		TRANSISTOR	2SA1235			R602	1-216-829-11		4.7K	5%	1/10W
Q614	8-729-045-62		2SK2158-			R603	1-216-837-11		22K	5%	1/10W
Q615	8-729-045-62		2SK2158-			R604	1-216-837-11		22K	5%	1/10W
Q616 Q617	8-729-045-62 8-729-045-62		2SK2158- 2SK2158-			R605	1-216-838-11	METAL CHIP	27K	5%	1/10W
0.017	0 7 20 0 10 02	121	LONLING	120		R606	1-216-838-11	METAL CHIP	27K	5%	1/10W
Q618	8-729-045-62	FET	2SK2158-	-T2B		R607	1-216-864-11	SHORT CHIP	0		
Q619	8-729-045-62		2SK2158-	-T2B		R609	1-216-864-11		0		
Q620	8-729-045-62		2SK2158-			R610	1-216-864-11		0		
Q623 Q624	8-729-120-28 8-729-045-62		2SC3052F 2SK2158-			R613	1-216-864-11	SHORT CHIP	0 (EXCEP	I US)	
Q024	0-729-045-02	LEI	23K2130-	-120		R614	1-216-864-11	SHORT CHIP	0 (EXCEP	ΓUS)	
Q625	8-729-120-28	TRANSISTOR	2SC3052F	F-T1-LF		R615	1-216-864-11		0	,	
Q890	8-729-037-03	TRANSISTOR	KTA12660	GR-AT		R616	1-216-864-11	SHORT CHIP	0		
Q891	8-729-120-28		2SC3052I			R617	1-216-825-11		2.2K	5%	1/10W
Q892	8-729-120-28		2SC3052F DTA114EF			R618	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q901	8-729-027-23	TRANSISTUR	DIATI4E	NA-1146		R619	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q902	8-729-120-28	TRANSISTOR	2SC3052I	F-T1-LF		R620	1-216-821-11		1K	5%	1/10W
Q904	8-729-116-57	TRANSISTOR	2SB1068	TP-K (EX	CEPT US)	R621	1-216-835-11	METAL CHIP	15K	5%	1/10W
Q905	8-729-140-04	TRANSISTOR	2SB1116/			R622	1-216-835-11		15K	5%	1/10W
Q906	1 001 006 11	TRANSISTOR			(CEPT US) EKA-T146	R623	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q900	1-001-000-11	INANSISTUN		D10144	ENA-1140	R624	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< RESISTOR >				R625	1-216-833-11		10K	5%	1/10W
						R626	1-216-833-11		10K	5%	1/10W
R003	1-216-296-00		0			R627	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R011	1-216-134-00		2.2	5%	1/8W	DCOO	1 010 007 11	METAL OLUD	001/	F0/	(E51, MX)
R016 R017	1-249-413-11 1-216-841-11		470 47K	5% 5%	1/4W 1/10W	R628	1-216-837-11	METAL CHIP	22K	5%	1/10W
R018	1-216-809-11		100	5%	1/10W	R629	1-216-150-00	RES-CHIP	10	5%	1/8W
	. 2.0 000			• , ,	.,	R630	1-216-833-11		10K	5%	1/10W
R019	1-216-817-11	METAL CHIP	470	5%	1/10W	R635	1-216-842-11		56K	5%	1/10W
R020	1-216-864-11		0			R636	1-216-838-11		27K	5%	1/10W
R031	1-216-817-11		470	5%	1/10W	R639	1-216-821-11	METAL CHIP	1K	5%	1/10W
R032 R038	1-216-841-11 1-249-409-11		47K 220	5% 5%	1/10W 1/4W	R640	1-216-861-11	METAL CHID	2.2M	5%	1/10W
11030	1-243-403 <b>-</b> 11	OVIDOIA	220	J /0	1/ <del>1</del> VV	R641	1-216-861-11		2.2M	5%	1/10W
R050	1-216-845-11	METAL CHIP	100K	5%	1/10W	R642	1-216-822-11		1.2K	5%	1/10W
R052	1-216-832-11		8.2K	5%	1/10W	R643	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R053	1-216-836-11		18K	5%	1/10W	R644	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R509	1-216-833-11		10K	5%	1/10W	D045	4 040 005 11	METAL OUR	0.01/	<b>5</b> 0/	4 (4 (5) **
R510	1-216-833-11	METAL CHIP	10K	5%	1/10W	R645	1-216-825-11		2.2K	5% 5%	1/10W
R511	1-216-837-11	METAL CHIP	22K	5%	1/10W	R647 R648	1-216-829-11 1-216-829-11		4.7K 4.7K	5% 5%	1/10W 1/10W
R512	1-216-837-11		22K	5%	1/10W	R649	1-216-864-11		0	<b>J</b> /0	1/ 10 00
R513	1-216-837-11		22K	5%	1/10W	R650	1-216-864-11		0		
R514	1-216-837-11	METAL CHIP	22K	5%	1/10W	l					

MAIN

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Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R651	1-216-845-11	METAL CHIP	100K	5%	1/10W	R718	1-216-833-11	METAL CHIP	10K	5%	1/10W
R652	1-216-845-11	METAL CHIP	100K	5%	1/10W	R719	1-216-833-11	METAL CHIP	10K	5%	1/10W
R655	1-216-824-11	METAL CHIP	4.7K	5%	1/10W						
R656	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R721	1-216-833-11	METAL CHIP	10K	5%	1/10W
R657	1-216-821-11	METAL CHIP	1K	5%	1/10W	R722	1-216-833-11		10K	5%	1/10W
11007	1 210 021 11	WILIAL OITH	110	<b>3</b> /0	171000	R723	1-216-821-11		1K	5%	1/10W
R658	1-216-820-11	METAL CHIP	820	5%	1/10W	R724	1-216-821-11		1K	5%	1/10W
						I					
R659	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R725	1-216-821-11	WETAL CHIP	1K	5%	1/10W
R660	1-216-825-11	METAL CHIP	3.3K	5%	1/10W	D700	1 010 001 11	METAL OLUB	414	<b>5</b> 0/	4 /4 0344
R662	1-216-864-11	SHORT CHIP	0			R726	1-216-821-11		1K	5%	1/10W
R663	1-216-833-11	METAL CHIP	10K	5%	1/10W	R727	1-216-833-11		10K	5%	1/10W
						R728	1-216-833-11		10K	5%	1/10W
R664	1-216-836-11	METAL CHIP	18K	5%	1/10W	R729	1-216-833-11	METAL CHIP	10K	5%	1/10W
R665	1-216-857-11	METAL CHIP	1M	5%	1/10W	R730	1-216-821-11	METAL CHIP	1K	5%	1/10W
R666	1-216-814-11	METAL CHIP	270	5%	1/10W						
R667	1-216-833-11	METAL CHIP	10K	5%	1/10W	R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R668	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R732	1-216-825-11		2.2K	5%	1/10W
11000	1 210 020 11	MEINE OIIII		0 70	1, 1011	R733	1-216-821-11		1K	5%	1/10W
R669	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R734	1-216-821-11		1K	5%	1/10W
	1-216-809-11	METAL CHIP	100		1/10W	I	1-216-825-11		2.2K		1/10W
R670				5%		R737	1-210-020-11	WETAL CHIP	Z.ZN	5%	1/1000
R671	1-216-809-11	METAL CHIP	100	5%	1/10W	D700	1 010 001 11	METAL OLUB	414	<b>5</b> 0/	4 /4 0344
R672	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R738	1-216-821-11		1K	5%	1/10W
R674	1-216-845-11	METAL CHIP	100K	5%	1/10W	R739	1-216-821-11		1K	5%	1/10W
						R740	1-216-821-11		1K	5%	1/10W
R675	1-216-825-11	METAL CHIP	2.2K	5%	1/10	R741	1-216-821-11	METAL CHIP	1K	5%	1/10W
R676	1-216-825-11	METAL CHIP	2.2K	5%	1/10	R744	1-216-821-11	METAL CHIP	1K	5%	1/10W
R677	1-216-837-11	METAL CHIP	22K	5%	1/10W						
R678	1-216-849-11	METAL CHIP	220K	5%	1/10W	R745	1-216-821-11	METAL CHIP	1K	5%	1/10W
R679	1-216-845-11	METAL CHIP	100K	5%	1/10W	R746	1-216-821-11		1K	5%	1/10W
	. 2.0 0.0			0,0	.,	R747	1-216-821-11		1K	5%	1/10W
R680	1-216-849-11	METAL CHIP	220K	5%	1/10W	R748	1-216-821-11		1K	5%	1/10W
	1-216-849-11	METAL CHIP	220K		1/10W	R749			1K		1/10W
R681				5%		h/49	1-216-821-11	WETAL CHIP	IN	5%	1/1000
R682	1-216-841-11		47K	5%	1/10W	D750	1 010 001 11	METAL OLUB	417	F0/	4 /4 0 14 /
R683	1-216-844-11	METAL CHIP	82K	5%	1/10W	R750	1-216-821-11		1K	5%	1/10W
R684	1-216-833-11	METAL CHIP	10K	5%	1/10W	R751	1-216-821-11		1K	5%	1/10W
						R752	1-216-825-11		2.2K	5%	1/10W
R685	1-216-841-11	METAL CHIP	47K	5%	1/10W	R753	1-216-821-11		1K	5%	1/10W
R686	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R754	1-216-821-11	METAL CHIP	1K	5%	1/10W
R687	1-216-823-11	METAL CHIP	1.5K	5%	1/10W						
R688	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R755	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R689	1-216-214-00	RES-CHIP	4.7K	5%	1/8W	R756	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
					.,	R759	1-216-829-11		4.7K	5%	1/10W
R692	1-216-809-11	METAL CHIP	100	5%	1/10W	R760	1-216-826-11		2.7K	5%	1/10W
R693	1-216-809-11		100	5%	1/10W	R761	1-216-833-11		10K	5%	1/10W
R694	1-216-826-11		2.7K	5%	1/10W	11701	1-210-000-11	WILIAL OITH	TOIL	J /0	1/1000
		-				DZCO	1 010 000 11	METAL CLUD	0.71/	E0/	1/10/4/
R695	1-216-826-11		2.7K	5%	1/10W	R762	1-216-826-11		2.7K	5%	1/10W
R696	1-216-845-11	METAL CHIP	100K	5%	1/10W	R763	1-216-841-11	METAL CHIP	47K	5%	1/10W
											(EXCEPT US)
R697	1-216-845-11		100K	5%	1/10W	R764	1-216-826-11		2.7K	5%	1/10W
R698	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R765	1-216-830-11		5.6K	5%	1/10W
R699	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R766	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R701	1-216-849-11	METAL CHIP	220K	5%	1/10W						
R702	1-216-841-11	METAL CHIP	47K	5%	1/10W	R767	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
						R768	1-216-833-11		10K	5%	1/10W
R703	1-216-821-11	METAL CHIP	1K	5%	1/10W	R769	1-216-830-11		5.6K	5%	1/10W
R704	1-216-821-11		1K	5%	1/10W	R770	1-216-864-11		0	0 70	171011
R704	1-216-833-11		10K	5%	1/10W	R771	1-216-864-11		0		
					1/10W	""	1-210-004-11	SHUNT CHIP	U		
R708	1-216-833-11		10K	5%		D770	1 010 001 11	OLIODE OLUD	0		
R709	1-216-833-11	WETAL CHIP	10K	5%	1/10W	R772	1-216-864-11		0		
						R773	1-216-864-11		0		
R710	1-216-833-11		10K	5%	1/10W	R774	1-216-864-11		0		
R711	1-216-833-11		10K	5%	1/10W	R778	1-216-864-11	SHORT CHIP	0		
R712	1-216-821-11	METAL CHIP	1K	5%	1/10W	R779	1-216-864-11	SHORT CHIP	0		
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R714	1-216-833-11		10K	5%	1/10W	R780	1-216-864-11	SHORT CHIP	0		
	500 11	• • • • • • • • • • • • • • •	. •	0,0	.,	R781	1-216-864-11		0		
R715	1-216-833-11	METAL CHIP	10K	5%	1/10W	R782	1-216-841-11		47K	5%	1/10W
R715	1-216-833-11		10K	5 % 5 %	1/10W	R783	1-216-841-11		47K 47K	5 % 5 %	1/10W
R717	1-216-833-11	IVIE IAL UNIP	10K	5%	1/10W	R784	1-216-841-11	WE IAL UNIP	47K	5%	1/10W

# CX-BK1

# MAIN

Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
						R937	1-216-809-11	METAL CHIP	100	5%	1/10W
D705	1-216-841-11	METAL CHIP	47K	E 0/	1/10W	R938	1-216-809-11		100		1/10W
R785				5%						5%	
R786	1-216-841-11		47K	5%	1/10W	R939	1-216-809-11		100	5%	1/10W
R787	1-216-841-11		47K	5%	1/10W	R940	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R788	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R789	1-216-841-11	METAL CHIP	47K	5%	1/10W	R941	1-216-847-11	METAL CHIP	150K	5%	1/10W
						R942	1-216-843-11	METAL CHIP	68K	5%	1/10W
R863	1-216-807-11	METAL CHID	68	5%	1/10W	R943	1-216-864-11		0 (EXCEF		1, 1011
11000	1-210-007-11	WIL TAL OTTE	00	J /0						,	1/10//
					(AEP, UK)	R944	1-216-833-11	METAL CHIP	10K	5%	1/10W
R879	1-216-821-11		1K	5%	1/10W						(EXCEPT US)
R880	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R945	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R881	1-216-841-11	METAL CHIP	47K	5%	1/10W						(E51, MX)
R884	1-216-828-11	METAL CHIP	3.9K	5%	1/10W						
						R945	1-216-833-11	METAL CHIP	10K	5%	1/10W
R885	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	110.10	1 210 000 11	WEINE OIII	1011	0 /0	(US)
						DO4E	1 010 047 11	METAL CLUD	1501/	E0/	` '
R887	1-216-830-11		5.6K	5%	1/10W	R945	1-216-847-11	METAL CHIP	150K	5%	1/10W
R888	1-216-809-11		100	5%	1/10W						(AEP, UK)
R890	1-216-841-11	METAL CHIP	47K	5%	1/10W	R946	1-216-864-11	SHORT CHIP	0		
R891	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R947	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R950	1-216-864-11	SHORT CHIP	0		
R892	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	11000	1 210 001 11	0110111 01111	ŭ		
	1-216-833-11		10K	5%	1/10W	DOE1	1 016 000 11	METAL CHID	10K	5%	1/10W
R893				370	1/1000	R951	1-216-833-11				
R894	1-216-864-11		0			R952	1-216-845-11		100K	5%	1/10W
R895	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R953	1-216-845-11	METAL CHIP	100K	5%	1/10W
R896	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R954	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R955	1-216-049-11	RES-CHIP	1K	5%	1/10W
R901	1-216-841-11	METAL CHIP	47K	5%	1/10W					• 70	.,
R902	1-216-841-11		47K	5%	1/10W	R957	1-216-864-11	спорт спір	0		
										<b>5</b> 0/	4.4.0044
R903	1-216-841-11		47K	5%	1/10W	R958	1-216-840-11		39K	5%	1/10W
R904	1-216-841-11	METAL CHIP	47K	5%	1/10W	R959	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R905	1-216-841-11	METAL CHIP	47K	5%	1/10W	R960	1-216-849-11	METAL CHIP	220K	5%	1/10W
						R961	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R906	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R907	1-216-841-11		47K	5%	1/10W	R962	1-216-833-11	METAL CHIP	10K	5%	1/10W
R908	1-216-841-11	METAL CHIP	47K	5%	1/10W	R967	1-216-025-11		100	5%	1/10W
R909	1-216-841-11	METAL CHIP	47K	5%	1/10W	R968	1-216-821-11		1K	5%	1/10W
R910	1-216-809-11	METAL CHIP	100	5%	1/10W	R969	1-216-838-11	METAL CHIP	27K	5%	1/10W
						R970	1-216-864-11	SHORT CHIP	0		
R911	1-216-809-11	METAL CHIP	100	5%	1/10W						
R912	1-216-809-11		100	5%	1/10W	R980	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R913	1-216-809-11		100	5%	1/10W	R981	1-216-817-11		470	5%	1/10W
R914	1-216-809-11		100	5%	1/10W	R982	1-216-845-11		100K	5%	1/10W
R915	1-216-809-11	METAL CHIP	100	5%	1/10W	R983	1-216-845-11		100K	5%	1/10W
						R984	1-216-809-11	METAL CHIP	100	5%	1/10W
R916	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R917	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R985	1-216-821-11	METAL CHIP	1K	5%	1/10W
R918	1-216-841-11		47K	5%	1/10W		0				(EXCEPT US)
					1/10W	DOOG	1 016 001 11	METAL CHID	11/		'
R919	1-216-841-11		47K	5%		R986	1-216-821-11	WETAL CHIP	1K	5%	1/10W
R920	1-216-833-11	METAL CHIP	10K	5%	1/10W						(EXCEPT US)
						R987	1-216-821-11	METAL CHIP	1K	5%	1/10W
R921	1-216-841-11	METAL CHIP	47K	5%	1/10W						(EXCEPT US)
R922	1-216-841-11	METAL CHIP	47K	5%	1/10W	R988	1-216-821-11	METAL CHIP	1K	5%	1/10W
R923	1-216-809-11		100	5%	1/10W						(EXCEPT US)
R924	1-216-809-11		100	5%	1/10W	R989	1-216-841-11	METAL CHID	47K	5%	1/10W
						11303	1-210-041-11	WILTAL OTHE	4/10		
R925	1-216-809-11	METAL CHIP	100	5%	1/10W						(EXCEPT US)
R926	1-216-809-11	METAL CHIP	100	5%	1/10W	R990	1-216-841-11	METAL CHIP	47K	5%	1/10W
R927	1-216-809-11	METAL CHIP	100	5%	1/10W						(EXCEPT US)
R928	1-216-809-11		100	5%	1/10W	R991	1-216-841-11	METAL CHIP	47K	5%	1/10W
R929	1-216-809-11		100	5%	1/10W		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				(EXCEPT US)
						DOOO	1 016 041 11	METAL CHID	171/		
R930	1-216-809-11	WE IAL UNIP	100	5%	1/10W	R992	1-216-841-11	WE IAL UNIT	47K	5%	1/10W
											(EXCEPT US)
R931	1-216-809-11	METAL CHIP	100	5%	1/10W	R995	1-216-833-11	METAL CHIP	10K	5%	1/10W
R932	1-216-809-11	METAL CHIP	100	5%	1/10W					(	US, E51, MX)
R933	1-216-809-11		100	5%	1/10W	R995	1-216-857-11	METAL CHIP	1M	5%	1/10W
R934	1-216-809-11	METAL CHIP	100	5%	1/10W			2		- / -	(AEP, UK)
R935	1-216-809-11		100	5%	1/10W 1/10W						(ALI, UK)
11800	1-210-003-11	MILIAL UIII	100	J /0	1/1000	Booc	1 016 000 11	METAL CLUB	101/	E 0/	1/1004
Boss	4 040 055 11	NACTAL 0::::	400	<b>5</b> 0'	4/4000	R996	1-216-833-11	WE IAL UHIP	10K	5%	1/10W
R936	1-216-809-11	WE IAL CHIP	100	5%	1/10W	I				(	US, E51, MX)

			MAIN	MIC	M	DDE M	OTOR	PT	RIG	HT BU	JTTC	ON (1)
Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>on</u>			<u>Remark</u>
R996	1-216-864-11	SHORT CHIP	0 (AEP, UI	K)		R204	1-216-809-11	METAL C	HIP	100	5%	1/10W
R997	1-216-833-11	METAL CHIP	10K	5%	1/10W	R205	1-216-825-11	METAL C	HIP	2.2K	5%	1/10W
R997	1-216-864-11	SHORT CHIP	0 (AEP, UI	, .	E51, MX)	R206	1-216-850-11	MFTAL C	HIP	270K	5%	1/10W
R998	1-220-397-11		4.7M	5%	1/10W	R207	1-216-821-11			1K	5%	1/10W
						R208	1-216-174-00			100	5%	1/8W
R999	1-216-851-11	METAL CHIP	330K	5%	1/10W	R209 R210	1-216-817-11 1-216-825-11			470 2.2K	5% 5%	1/10W 1/10W
		< VIBRATOR >				NZIU	1-210-020-11	WETAL	піг	2.2N	370	1/ 1 U V V
						R211	1-216-825-11			2.2K	5%	1/10W
X901		VIBRATOR, CR				R212	1-216-825-11			2.2K	5%	1/10W
X902 ******	1-795-058-21 ******	VIBRATOR, CE ******	,	,	******	R213 R214	1-216-839-11 1-216-797-11			33K 10	5% 5%	1/10W 1/10W
						R215	1-216-817-11			470	5%	1/10W
	A-4733-419-A	MIC BOARD, C		51, MX)								
		******	******			R216	1-216-821-11			1K	5%	1/10W
		< CAPACITOR	>			R232	1-216-833-11	METAL C	піР	10K	5%	1/10W
								< VARIAE	BLE RES	ISTOR >		
C203		CERAMIC CHIE			50V	\/D004	1 007 500 11	DEC MAE	0.400	ON 401/ /N/		NO)
C204 C205	1-126-957-11 1-126-964-11		0.22uF 10uF	20% 20%	50V 50V	VR201	1-227-502-11 *****					
C206	1-126-934-11		220uF	20%	10V							
C207	1-162-928-11	CERAMIC CHIE	P 120PF	5%	50V		1-686-724-12					
0000	1 100 000 11	FLECT	4⊏	000/	F0\/			*****	*****	****		
C208 C209	1-126-960-11 1-126-964-11		1uF 10uF	20% 20%	50V 50V	******	*****	******	*****	*****	*****	*****
C210	1-126-965-11		22uF	20%	50V							
C211		CERAMIC CHIE		5%	50V		1-688-417-11		•	,		
C212	1-126-959-11	ELECT	0.47uF	20%	50V		1-688-421-11	******	, ,	MX)		
C213	1-126-961-11	ELECT	2.2uF	20%	50V							
C216	1-126-959-11		0.47uF	20%	50V			< CAPACI	ITOR >			
C219	1-115-467-11	CERAMIC CHIE	O.22uF	10%	10V	C009	1-164-005-11	CEDAMIC	CHID	0.47uF		25V
		< CONNECTOR	l >			0009	1-104-005-11	CENAIVIIC	Unir	0.47 ur		(E51, MX)
						C025	1-164-005-11	CERAMIC	CHIP	0.47uF		`25V
CN205	1-784-766-11	CONNECTOR,	FFC 5P								(U	IS, AEP, UK)
		< DIODE >						< CONNE	CTOR >			
D201	9_710_099_61	DIODE 1SS35	SSTE_17			* CN001	1-564-915-11	DINI CON	INIECTOI	2 (2 06mm	י חודרים י	7D (IIC)
D201		DIODE 18835				* CN007	1-564-687-11					
						* CN008	1-564-687-11					
		< FERRITE BEA	AD >			* CN010	1-564-321-21	PIN, CON	INECTO	R (3.96mm		2P XCEPT E51)
* FB201	1-543-959-22	FERRITE	0uH			* CN011	1-564-242-00	PIN, CON	INECTOR	R (3.96mm		
										`	,	(AEP, UK)
		< IC >				* CN015	1-564-915-11	PIN. CON	INFCTO	3 (3.96mm	PITCH)	7P
IC201	8-759-710-97	IC NJM4565N	Л (TE2)					·		•	,	(E51, MX)
		< JACK >				******	******	********	******	*******	******	*****
		< 0/1010 ×					1-688-408-11					
J201	1-816-860-11	JACK, 6.3 BLK	MONO W/SW	/ V MSC (	MIC)			*****	*****	*******		
		< SHORT >						< RESIST	OR >			
JR204	1-216-864-11	SHORT CHIP	0			R341	1-216-816-11	METAL C	HIP	390	5%	1/10W
011201	7 2 10 00 1 11					R342	1-216-819-11	METAL C	HIP	680	5%	1/10W
		< TRANSISTOR	₹>			R343 R344	1-216-821-11 1-216-823-11			1K 1.5K	5% 5%	1/10W 1/10W
Q201	8-729-045-62	FET	2SK2158-	-T2B								
		< RESISTOR >						< SWITCI	H >			
						S341	1-771-410-21					
R201 R202	1-216-833-11 1-216-829-11		10K 4.7K	5% 5%	1/10W 1/10W	S342 S343	1-771-410-21 1-771-410-21				Y)	
R202 R203	1-216-829-11		4.7K 220K	5% 5%	1/10W 1/10W	1	1-//1-41U-21 ******	,		,	*****	******

CX-BK1 **RIGHT BUTTON (2) ROLLER MOTOR SENSOR** SW (1) SW (3) **SPEAKER STOCKER USB AUX** SW (2) SW (4) Ref. No. Part No. Description Remark Ref. No. Part No. Remark **Description** 1-686-727-12 SW (1) BOARD 1-688-409-11 RIGHT BUTTON (2) BOARD < SWITCH > < SWITCH > S711 1-786-382-11 SWITCH, PUSH (1 KEY) S344 1-771-410-21 SWITCH, TACTILE (ENTER) (DISC INSERT (8/12cm)) \* 1-686-726-12 ROLLER MOTOR BOARD 1-686-728-12 SW (2) BOARD < SWITCH > 1-686-723-12 SENSOR BOARD 1-786-382-11 SWITCH, PUSH (1 KEY) (DISC IN (8/12cm)) S713 S714 1-786-382-11 SWITCH, PUSH (1 KEY) (DISC IN (8cm))

		10				******	******	******	******	*****	*****
		< IC >					1 000 700 10	CM (2) DOADD			
IC751	0 740 017 45	CENCOD DUONT	ם מחום	4 NI			1-686-729-12	SW (3) BOARD			
16731	0-749-017-45	SENSOR, PHONT	ISC INSERT		CENCOR)						
******	******	(D) **********			,			< SWITCH >			
								( 0W11011 >			
	1-688-419-11	SPEAKER BOARD	)			S715	1-786-382-11	SWITCH, PUSH (	1 KEY) (DI	SC OUT)	
		*****	**			*******		******			*****
		< CAPACITOR >					1-686-730-12	SW (4) BOARD			
								*******			
C524		CERAMIC CHIP	0.1uF		50V						
C525		CERAMIC CHIP	0.1uF		50V			< SWITCH >			
C526		CERAMIC CHIP	0.1uF		50V	0740	1 700 000 11	CWITCH BUCH	(4 I/E\/\ /OT	יסטעבם ו	N/OUT)
C527 C532		CERAMIC CHIP CERAMIC CHIP	0.1uF 0.0022uF	100/	50V 50V	S716 S717		SWITCH, PUSH ( SWITCH, PUSH (			
0002	1-102-900-11	CENAIVIIC CHIP	0.00ZZUF	10 /0	30 V	S717		SWITCH, PUSH (			
C533	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V			*******	, , ,		,
C534		CERAMIC CHIP	0.0022ui	10 /0	50V						
C535		CERAMIC CHIP	0.1uF		50V		A-4733-399-A	USB AUX BOARD	COMPLE	TE	
								******	,		
		< CONNECTOR >									
								< CAPACITOR >			
* CN503	1-564-241-11	PIN, CONNECTOR	R (3.96mm	PITCH) 4	4P						
						C700	1-162-919-11		22PF	5%	50V
		< JACK >				C701		CERAMIC CHIP	22PF	5%	50V
						C702	1-162-964-11		0.001uF	10%	50V
JK502	1-694-635-12	TERMINAL BOAF	RD (4P) (➪ S	SPEAKE	R)	C703	1-162-964-11		0.001uF	10%	50V
		< COIL >				C704	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		< UUIL >				C705	1-162-960-11	CEDAMIC CHID	220PF	10%	50V
L501	1_//20_872_52	COIL, AIR-CORE				C705		CERAMIC CHIP CERAMIC CHIP	0.01uF	10%	25V
L502		COIL, AIR-CORE				C708	1-117-863-11		0.47uF	10%	6.3V
LOOL	1 120 072 02	OOIE, AIR OOIE				C709	1-164-156-11		0.17 ui	1070	25V
		< RESISTOR >				C710		CERAMIC CHIP	0.1uF		25V
R570	1-249-625-31	CARBON	10	5%	1/2W	C711	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
R571	1-249-625-31	CARBON	10	5%	1/2W	C712	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
R572	1-249-393-11	CARBON	10	5%	1/4W	C713	1-126-964-11		10uF	20%	50V
R573	1-249-393-11		10	5%	1/4W	C714	1-162-919-11		22PF	5%	50V
******	******	******	******	******	*****	C715	1-104-665-11	ELECT	100uF	20%	10V
	1 000 705 40	0.00/10 440.00	D DO 4 D D			0740	4 400 004 44	EL EOT	405	000/	F0\/
	1-686-725-12	STOCKER MOTO				C716	1-126-964-11		10uF	20%	50V
		****	****			C717 C718	1-104-663-11	CERAMIC CHIP	33uF	20%	25V
*******	******	*******	******	******	*****	C718		CERAMIC CHIP	0.1uF 0.1uF		16V 25V
						C720		CERAMIC CHIP	0.1uF		25V 25V
						0,20	. 101 100 11	SZIWWIIO OIIII	v. iui		201
						C721	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C722		CERAMIC CHIP	0.1uF		25V
						C724	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
						C725	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

# USB AUX

											71071
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C755		CERAMIC CHIP	100PF	5%	50V	R716	1-216-827-11	· · · · · · · · · · · · · · · · · · ·	3.3K	5%	1/10W
0733	1-102-321-11	OLITAINIO OITII	10011	J /0	30 V	R718	1-216-827-11		3.3K	5%	1/10W
C756	1-126-963-11	ELECT	4.7uF	20%	50V	R720	1-216-827-11		3.3K	5%	1/10W
C757	1-164-222-11	CERAMIC CHIP	0.22uF		25V	R721	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
C758	1-104-665-11		100uF	20%	10V						
C759	1-126-947-11		47uF	20%	10V	R722	1-216-829-11		4.7K	5%	1/10W
C760	1-164-005-11	CERAMIC CHIP	0.47uF		25V	R723	1-216-821-11		1K	5%	1/10W
C762	1_16/1_222_11	CERAMIC CHIP	0.22uF		25V	R724 R725	1-216-809-11 1-216-809-11		100 100	5% 5%	1/10W 1/10W
0702	1-104-222-11	OLITAWIIO OIIII	0.2241		231	R726	1-216-809-11		100	5%	1/10W
		< CONNECTOR >				R727	1-216-809-11		100	5%	1/10W
CN701	1-784-778-11	CONNECTOR, FFO	C 17P			R728	1-216-809-11	METAL CHIP	100	5%	1/10W
		< GROUND TERM	MINIAI s			R729 R730	1-216-819-11 1-216-819-11		680 680	5% 5%	1/10W 1/10W
		< GROUND TERM	IIINAL >			R730	1-216-803-11		33	5% 5%	1/10W
* EP701	1-537-738-21	TERMINAL, EART	ГН			11701	1 210 000 11	WEINE OIII	00	0 70	1, 1011
* EP702		TERMINAL, EART				R732	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R735	1-216-837-11		22K	5%	1/10W
		< IC >				R736	1-216-837-11	METAL CHIP	22K	5%	1/10W
IC700		IC UAC3553B	۸					< VIBRATOR >			
IC701	8-759-701-56	IC NJM78M05F	4			X700	1-578-774-81	VIBRATOR, CRY	'STAL (12I	MHz)	
		< JACK >						*******	`	,	******
* I700	1 704 010 11	CONNECTOR HO	D (D) (HCD					MICOELLANEOL	10		
* J700 J701		CONNECTOR, US JACK, PIN 3P (LI		5)				MISCELLANEOU			
3701	1-779-303-11	JACK, FIN SF (LI	INL IIN)								
		< SHORT >				51	1-796-351-61	MECHANISM, S			
10704	4 040 004 44	OLIOPE OLUP	•			50	4 705 000 44	MANDE (EL AT T)			XCEPT US)
JR701 JR702	1-216-864-11 1-216-864-11		0			59 60		WIRE (FLAT TYF			
JR703	1-216-864-11		0			102		WIRE (FLAT TYF			
0117 00	. 210 001 11	onom om	· ·			153		WIRE (FLAT TYF			•
		< FERRITE>									
						154		WIRE (FLAT TYP			
JN702	1-410-396-41		0.45uH			254		WIRE (FLAT TYP			FF4 NAV()
JN704	1-410-396-41	FERRITE	0.45uH			255 255		WIRE (FLAT TYF			
		< COIL >				257		TUNER (FM/AM		/IIL) (ALI,	UK)
									, , ,		
L700	1-216-864-11		0			257		TUNER (FM/AM	, ,	,	
L701	1-216-864-11		0			257		TUNER (FM/AM)			
L702 L703	1-216-864-11		0			258		WIRE (FLAT TYF WIRE (FLAT TYF			
L703 L705	1-216-864-11 1-216-864-11		0 0			259 260		WIRE (FLAT TYF	, ,	,	
L703	1-210-004-11	3110111 01111	U			200		•	, ,	,	
		< TRANSISTOR >	•			261		WIRE (FLAT TYPE			
Q700	8-729-900-53	TDANGISTOD	DTC114E	VA T146		<b>△</b> 303 <b>△</b> 303		CORD, POWER CORD, POWER		E51)	
Q701		TRANSISTOR	2SB1132			△303		CORD, POWER			
Q702		TRANSISTOR	DTA114E			<b> ≜</b> 807		BU-30 (61) ASS	` '		
						000	1 700 047 41	WIDE (E) ** ** **	DEV /40.00	NDE)	
		< RESISTOR >				808 <u></u> £F001		WIRE (FLAT TYF FUSE, GLASS T			51/) (119)
R700	1-216-801-11	METAL CHIP	22	5%	1/10W			FUSE, GLASS TO			
R701	1-216-801-11		22	5%	1/10W			,	\_ \.	., (5.420	(E51, MX)
R702	1-216-835-11		15K	5%	1/10W	M301	1-763-072-11	FAN, DC			,
R703	1-216-835-11		15K	5%	1/10W	M761	A-4735-953-A	MOTOR ASSY (	STOCKER)	١	
R704	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	8.4774	A 470F 050 *	MOTOD ACOV	MODE)		
DZNE	1_016 000 11	METAL CUID	Q 21/	50/	1/10\\	M771		MOTOR ASSY (I			
R705 R706	1-216-832-11 1-216-835-11		8.2K 15K	5% 5%	1/10W 1/10W	M781 ⚠ PT001		MOTOR ASSY (I TRANSFORMER		(MX)	
R707	1-216-835-11		15K	5%	1/10W			TRANSFORMER		` '	
R710	1-216-849-11		220K	5%	1/10W	<b>△</b> PT003		TRANSFORMER			
R711	1-216-829-11		4.7K	5%	1/10W					` '	
						<b>△</b> PT003		TRANSFORMER			
R712	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	Q531	6-550-291-01	TRANSISTOR F	N1016 (AE	P, UK)	

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

### CX-BK1

Ref. No.	Part No.	Description	<u>Remark</u>
Q531 Q531	6-550-320-01 8-729-020-52	TRANSISTOR 2SD2562 (E51, MX) TRANSISTOR 2SD2439-OPY (US)	
Q532	6-550-291-01	TRANSISTOR FN1016 (AEP, UK)	
Q532	6-550-320-01	TRANSISTOR 2SD2562 (E51, MX)	
Q532	8-729-020-52	TRANSISTOR 2SD2439-OPY (US)	
Q533	6-550-292-01	TRANSISTOR FP1016 (AEP, UK)	
Q533	6-550-319-01	TRANSISTOR 2SB1649 (E51, MX)	
Q533	8-729-020-48	TRANSISTOR 2SB1588-OPY (US)	
Q534	6-550-292-01	TRANSISTOR FP1016 (AEP, UK)	
Q534	6-550-319-01	TRANSISTOR 2SB1649 (E51, MX)	
Q534	8-729-020-48	TRANSISTOR 2SB1588-OPY (US)	
S702	1-477-299-11	ENCODER, ROTARY (STOCKER POSIT	ION)
S771	1-477-300-11	ENCODER, ROTARY (MODE)	
*****	******	*************	*****

### ACCESSORIES

\*\*\*\*\*\*

 $\triangle$  1-569-008-12 ADAPTOR, CONVERSION 2P (E51)  $\triangle$  1-770-019-51 ADAPTOR, CONVERSION PLUG (UK)

# <u>MEMO</u>

# **REVISION HISTORY**

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision	
1.0	2003.06	New	
1.1	2004.02	Addition of Ref. No. 505 to EXPLODED VIEWS	(SPM-04009)

# SX-BK1

# **SERVICE MANUAL**

Ver 1.0 2003.05



US Model AEP Model UK Model E Model

· SX-BK1 is the speaker system in BMZ-K1.

#### Photo: Rch

### **SPECIFICATIONS**

Speakers system 3 way, Bass-reflex type (magnetic

shielded)

Speaker units Woofer: 140 mm cone type  $\times 2$ 

Tweeter: 60 mm cone type

Super tweeter: 25 mm ceramic type

Nominal Impedance 6

Dimensions (w/h/d) Approx.  $266 \times 455 \times 384 \text{ mm}$ 

 $(10^{1}/2 \times 18 \times 15^{1}/4 \text{ in.})$ 

Approx. 6.7 kg (14 lbs 11 oz) net per

speaker

Design and specifications are subject to change without notice.

• JIG

When disassembling the set, use the following jig (for speaker removal).

Part No.: J-2501-238-A JIG FOR SPEAKER REMOVAL



**SPEAKER SYSTEM** 



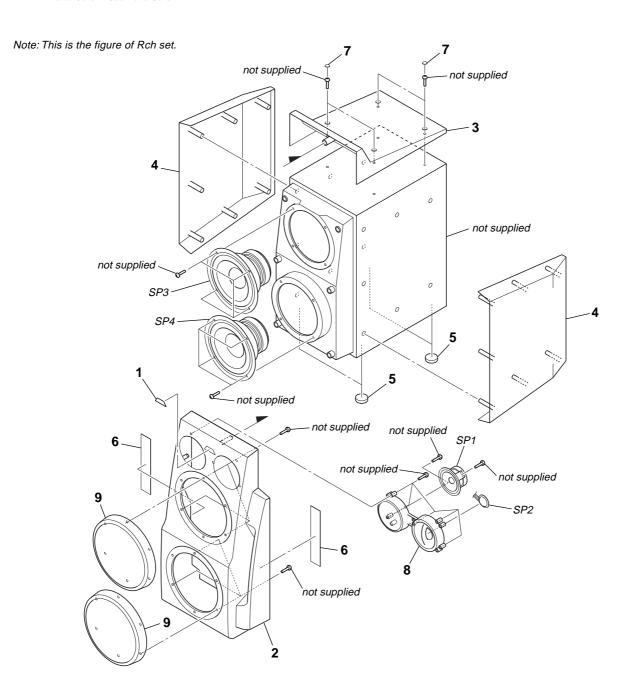
### **EXPLODED VIEW**

### NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original
- Color Indication of Appearance Parts Example:
  - KNOB, BALANCE (WHITE) . . . (RED)

    ↑ ↑

    Parts Color Cabinet's Color
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.



Ref. No.	Part No.	Description	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	<u>Remark</u>
1	4-245-964-11	EMBLEM (27.5), AIWA		8	A-4739-631-A	A PANEL ASSY, TW	
2	4-248-369-01	PANEL, FRONT		9	A-4739-630-A	A RING ASSY, WF	
3	4-248-371-01	PANEL, TOP		SP1	1-825-551-11	I SPEAKER (6cm)	
4	4-248-370-01	PANEL, SIDE		SP2	1-825-604-11	SPEAKER (CERAMIC) (2.5cm)	
5	4-248-377-01	FOOT		SP3	1-825-552-11	SPEAKER (14cm)	
6	4-248-381-01	NET (SIDE), DUCT		SP4	1-825-553-11	SPEAKER (14cm)	
7	4-248-382-01	COVER, SCREW					

# <u>MEMO</u>

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Ver.	Date	Description of Revision
1.0	2003.05	New